Richmond Regional Transportation Planning Organization
SUPPORTED BY PlanRVA

Technical Report J
Regional Air Quality Conformity Assessment

Connect RVA 2045

Acknowledgments

TITLE

ConnectRVA 2045 Long-Range Transportation Plan: Regional Air Quality Conformity Assessment

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ABSTRACT

The Richmond Regional Transportation Planning Organization (RRTPO) is in the process of updating the regional Long-Range Transportation Plan (LRTP) to the horizon year 2045. This LRTP has been branded *ConnectRVA 2045*. As part of this process and in keeping with federal regulations, RRTPO staff worked with the Virginia Department of Transportation(VDOT), the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) to assess conformity with the State Implementation Plan (SIP) for meeting the Federal air quality standards. Conformity means that "funding and approvals from these agencies are given to highway and transit activities that will not cause new air quality violations, worsen existing air quality violations or delay timely attainment of the relevant air quality standard or any interim milestone."

ACKNOWLEDGMENT

ConnectRVA 2045 was prepared in cooperation with the U.S. Department of Transportation, Federal Highway Administration, Virginia Department of Transportation, and the Virginia Department of Rail and Public Transportation. This report also represents the collective work of state, regional, and local representatives of the RRTPO 2045 Long-Range Transportation Plan Advisory Committee. This report is pending final federal review and approval that will be confirmed prior to adoption of *ConnectRVA 2045*.

DISCLAIMER

The contents of this report reflect the analysis of the RRTPO as part of the Richmond Regional Planning District Commission (PlanRVA) which is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the Virginia Department of Rail and Public Transportation (VDRPT), the Virginia Department of Transportation (VDOT), or the PlanRVA Board of Commissioners. This report does not constitute a standard, specification, or regulation.

The FHWA, FTA, VDRPT, or VDOT acceptance of this report as evidence of the fulfillment of the objectives of this planning study does not constitute endorsement or approval of the need of any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

As each of these projects in *ConnectRVA 2045* is implemented, coordination, agreement, and independent approval of the participating local jurisdiction is required. No part of this plan is to be interpreted as to diminish the authority of local jurisdictions in the areas of land use and transportation improvements.

NONDISCRIMINATION

The RRTPO fully complies with Title VI of the Civil Rights Act of 1964 and related statutes, executive orders, and regulations in all programs and activities and assigns these responsibilities for compliance to PlanRVA as appropriate. The RRTPO operates without regard to race, color, national origin, income, gender, age, and disability. For more information on meeting accessibility, or to obtain a Title VI Complaint Form, visit PlanRVA.org/TitleVI.

NO DISCRIMINACIÓN

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October 4, 2021

Mr. Stephen Brich
Commissioner
Virginia Department of Transportation
1401 East Broad Street
Richmond, Virginia 23219

Re: Joint FHWA/FTA Conformity Finding for the 1997 8-hour ozone standard; Richmond-Petersburg, Virginia

Dear Mr. Brich:

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have completed a joint review of the Richmond Regional Transportation Planning Organization's (RRTPO) 2045 Long Range Transportation Plan (LRTP) and FY 2021-2024 Transportation Improvement Program (TIP). The Tri-Cities Area Metropolitan Planning Organization (TCAMPO) has not updated or amended its existing LRTP and TIP.

In accordance with the 1990 Clean Air Act Amendments (CAAA), the FHWA and the FTA are required to make a joint air quality conformity finding. Based on our evaluation of the materials submitted, coordination with the U.S. Environmental Protection Agency - Region 3 Office (EPA), and input from RRTPO, the FHWA and FTA therefore find that the Conformity Determination submittal for the FY 2045 LRTP and FY 2021-2024 TIP for the Richmond-Petersburg 1997 8-hour Ozone Area demonstrates conformity as prescribed by EPA's Transportation Conformity Rule (40 CFR Part 93), subsequent amendments, and guidance issued by EPA in November 2018 for areas affected by the February 2018 South Coast court decision. The EPA, by letter dated September 27, 2021, concurred on the overall conformity determination.

This letter represents that joint conformity finding. This conformity finding remains valid for a period of four years provided no regionally significant projects are amended to or removed from the LRTP or TIP and provided no metropolitan transportation planning deadlines come due before then. Based on our transportation planning regulatory requirements (23 USC 134 and 49 USC 5303), our day-to-day involvement with the RRTPO, and extensive review of their fiscal analysis reports, FTA and FHWA find the financial information needed to support our fiscal constraint determination complete.

If you have any questions or need additional information, please contact Ivan Rucker, FHWA-Virginia Division, at (804) 775-3350 or Ryan Long, FTA Region III, at (215) 656-7051.

Sincerely,

Digitally signed by THERESA GARCIA CREWS
Date: 2021.10.04 08:01:17 -04'00'

Terry Garcia Crews
Regional Administrator
Federal Transit Administration

EDWARD S SUNDRA
Digitally signed by EDWARD S SUNDRA
Date: 2021.10.04 08:46:01 -04'00'

Edward Sundra
Director of Program Development
Federal Highway Administration

cc: Ms. Martha Heeter, RRTPO (via email)
Mr. Alec Brebner, TCAMPO (via e-mail)
Ms. Marsha Fiol, VDOT (via email)
Mr. Mark Riblett, VDOT (via email)
Mr. James Ponticello, VDOT (via email)
Mr. Ivan Rucker, FHWA (via email)
Mr. Ryan Long, FTA (via email)
Mr. Tony Cho, FTA (via e-mail)
Mr. Gregory Becoat, EPA (via email)
Ms. Susan Spielberger, EPA (via e-mail)

Richmond

2045 Long-Range Transportation Plan

and

FY 2021-2024 Transportation Improvement Program

Final Report

August 2021

Prepared by: The Virginia Department of Transportation

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Appendix A: Consultation Documentation

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Executive Summary

This report[1] documents that the Richmond 2045 Long-Range Transportation Plan (LRTP) and fiscal year (FY) 2021-2024 Transportation Improvement Program (TIP) developed by the Richmond Regional Transportation Planning Organization (RRTPO)[2], have met all applicable federal (40 CFR Parts 51 and 93), state and local requirements for transportation conformity. Accordingly, a finding of conformity for the LRTP and TIP is supported. The Richmond Region encompasses portions of the RRTPO and Tri-Cities Metropolitan Planning Organization (TCAMPO). The TCAMPO is not updating nor amending their TIP or LRTP at this time.

Clean Air Act (CAA) section 176(c) (42 U.S.C. 7506(c)) requires that federally funded or approved highway and transit activities be consistent with ("conform to") the purpose of the State Implementation Plan (SIP). Conformity to the purpose of the SIP means that transportation activities will not cause or contribute to new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS or any interim milestones (42 U.S.C. 7506(c)(1)). EPA's transportation conformity rules establish the criteria and procedures for determining whether metropolitan transportation plans, TIPs, and federally supported highway and transit projects conform to the SIP (40 CFR Parts 51.390 and 93).

Notwithstanding the revocation of the 1997 ozone national ambient air quality standard (NAAQS) by EPA effective April 6, 2015, the United States Court of Appeals for the District of Columbia Circuit in South Coast Air Quality Mgmt. District v. EPA ("South Coast II," 882 F.3d 1138) held in its decision on February 16, 2018 that transportation conformity determinations must be made in all areas nation-wide that were either nonattainment or maintenance for the 1997 ozone NAAQS and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. The reinstated conformity requirements were subsequently made effective February 16, 2019[3]. The Richmond *region (which encompasses portions of both the RRTPO and TCAMPO)* met both conditions: 1) it was in maintenance for the 1997 ozone NAAQS revocation at the time of its revocation by EPA, and 2) at that time had already been designated attainment (on May 21, 2012) for the 2008 ozone NAAQS. Therefore, per the South Coast II decision, and notwithstanding the revocation by EPA of the applicable NAAQS, conformity requirements for the 1997 ozone NAAQS again apply for the prior Richmond eight-hour Ozone Maintenance Area. This conformity assessment was conducted following EPA guidance[4] issued pursuant to the court decision.

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1 The content format for this report is based on the FHWA 1/3/2019 Template Report.

2 The RRTPO and TCAMPO are the designated metropolitan planning organization or MPO for the region. See: http://www.planrva.org, http://www.craterpdc.org

3 See: FHWA, "*Updated: Interim Guidance on Conformity Requirements for the 1997 Ozone NAAQS*", memorandum dated October 1, 2018. On p.2, the updated interim guidance states: "*After the Court issued its ruling in February 2018, EPA filed a petition for rehearing on various issues, both as to the merits of the Court's ruling and the remedy imposed by the Court. On September 14, 2018, the Court denied EPA's request for rehearing on the merits, but stayed its vacatur of the transportation conformity aspects of its ruling until February 16, 2019. In essence, the Court provided EPA with one year from the date of its original decision to implement its ruling, and that year expires on February 16, 2019.*"

4 "*Transportation Conformity Guidance for the South Coast II Court Decision*", EPA-420-B-18-050, November 2018, available at: www.epa.gov/state-and-local-transportation/policy-and-technical-guidance-state-and-local-transportation.

1.0 Background

The Clean Air Act (CAA) Amendments of 1977 included a provision (Section 176(c)) to ensure that transportation investments "conform" to a State implementation plan (SIP) for meeting the Federal air quality standards. Conformity requirements were made substantially more rigorous in the CAA Amendments of 1990. The transportation conformity regulations that detail implementation of the CAA requirements were first issued in November 1993, and have been amended several times[5]. The regulations establish the criteria and procedures for transportation agencies to demonstrate that air pollutant emissions from metropolitan transportation plans (MTPs)[6], TIPs and projects are consistent with ("conform to") the State's air quality goals in the SIP.

Transportation conformity establishes the framework for improving air quality to protect public health and the environment. Conformity to the purpose of the SIP means Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) funding and approvals are given to highway and transit activities that will not cause new air quality violations, worsen existing air quality violations, or delay timely attainment of the relevant air quality standard, or any interim milestone.

2.0 Richmond Region Air Quality Planning Status

On June 1, 2007, the United State Environmental Protection Agency (EPA) approved via Federal Register notice a re-designation request and State Implementation Plan (SIP) revision (maintenance plan) pertaining to the 1997 eight-hour ozone standard (2007 SIP) that had been submitted by the Virginia Department of Environmental Quality (VDEQ)[7]. EPA also found adequate and approved motor vehicle emission budgets for ozone precursors (nitrogen oxides or NOx, and volatile organic compounds, or VOC) as specified in the maintenance plan. Pursuant to the requirements of the federal conformity rule, the maintenance plan budgets were to be met in future regional conformity analyses for the Richmond area. The designated maintenance area included the counties of Hanover, Henrico, Charles City, Prince George, Chesterfield and the cities of Colonial Heights, Hopewell, Petersburg, and Richmond, and the town of Ashland.

On March 6, 2015 (effective April 6, 2015), EPA published the final rule for the more stringent 2008 ozone NAAQS and at the same time revoked the 1997 ozone NAAQS for which the region had been in maintenance[8]. The region is currently in

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[5] For the current version, see: https://www.epa.gov/clean-air-act-overview/clean-air-act-title-i-air-pollution-prevention-and-control-parts-through-d#id

[6] The RRTPO LRTP and the TCAMPO LRTP serve as the metropolitan transportation plans (MTP) for the region. The terms are used inter-changeable in this report.

[7] Federal Register, Volume 72, Number 105, Friday, June 1, 2007, 40 CFR Parts 52 and 81, Final Rule, pp. 30485-30490, "Approval and Promulgation of Air Quality Implementation Plans; Virginia; Redesignation of the Richmond 8-Hour Ozone Nonattainment Area to Attainment and Approval of the Area's Maintenance Plan and 2002 Base-Year Inventory".

[8] "*Implementation of the 2008 National Ambient Air Quality Standards for Ozone: State Implementation Plan Requirements*", EPA, 80 FR 1226, March 6, 2015. See: https://www.govinfo.gov/content/pkg/FR-2015-03-06/pdf/2015-04012.pdf

attainment of all the criteria pollutants for which the EPA has established NAAQS, including the more stringent 2008 and 2015 ozone NAAQS.

3.0 Long-Range Transportation Plan and Transportation Improvement Program

This conformity assessment is being prepared for the RRTPO 2045 LRTP and FY 2021-2024 TIP, and for the TCAMPO 2040 LRTP and FY 2021-2024 TIP, although the TCAMPO is not updating nor amending their TIP or LRTP at this time. The respective project list(s) for both the RRTPO and TCAMPO LRTP and TIP are presented in Appendix B.

4.0 Transportation Conformity Determination: General Process

Pursuant to the court's decision in *South Coast II*, beginning February 16, 2019[9], a transportation conformity determination for the 1997 ozone NAAQS is needed in all 1997 ozone NAAQS nonattainment and maintenance areas identified by EPA[10], including the Richmond area.

Accordingly, following the February 16, 2018 court ruling, a regional transportation conformity analysis[11] (including a regional emission analysis) was conducted for the RRTPO and TCAMPO FY 18-21 TIP and 2040 LRTP, for which a joint finding of conformity was received from FHWA and FTA on October 29, 2018. Going forward, conformity findings are needed for all updated or amended metropolitan LRTPs and TIPs and otherwise no less frequently than every four years[12].

5.0 Transportation Conformity Requirements

5.1 Overview

This conformity assessment was conducted in compliance with the federal transportation conformity rule (40 CFR Parts 51 and 93)[13], the corresponding state transportation conformity regulation or "conformity SIP" (9 VAC 5-151)[14], and local

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[9] FHWA, "*Updated: Interim Guidance on Conformity Requirements for the 1997 Ozone NAAQS*", October 1, 2018, p.2: "*After the Court issued its ruling in February 2018, EPA filed a petition for rehearing on various issues, both as to the merits of the Court's ruling and the remedy imposed by the Court. On September 14, 2018, the Court denied EPA's request for rehearing on the merits, but stayed its vacatur of the transportation conformity aspects of its ruling until February 16, 2019. In essence, the Court provided EPA with one year from the date of its original decision to implement its ruling, and that year expires on February 16, 2019.*"

[10] The areas identified can be found in EPA's "*Transportation Conformity Guidance for the South Coast II Court Decision*", EPA-420-B-18-050, available at: www.epa.gov/state-and-local-transportation/policy-and-technical-guidance-state-and-local-transportation.

[11] "*Richmond, Virginia, 8-Hour Ozone Maintenance Area Transportation Conformity Analysis, FY 18-21 Transportation Improvement Program and 2040 Long Range Transportation Plan*", Final Report, August 2018. See: https://planrva.org/home/document-library/ https://planrva.org/home/document-library/

[12] Since modeling is no longer required for areas subject to the South Coast II decision, the title "Regional Conformity Assessment" is used here to distinguish conformity assessments following that court decision from those conducted previously that did require modeling and were given the title of "Regional Conformity Analysis."

[13] Federal Transportation Conformity Regulations (EPA Website): https://www.epa.gov/state-and-local-transportation

[14] Virginia Regulation for Transportation Conformity (9 VAC 5-151): https://law.lis.virginia.gov/admincode/title9/agency5/chapter151/

conformity consultation procedures as amended and established pursuant to the federal and state conformity regulations[15].

On November 29, 2018, EPA issued *Transportation Conformity Guidance for the South Coast II Court Decision*[16] (EPA-420-B-18-050) that addresses how transportation conformity determinations can be made in "orphan" areas that were nonattainment or maintenance for the 1997 ozone NAAQS when the 1997 ozone NAAQS was revoked but were designated attainment for the 2008 ozone NAAQS in EPA's original designations for this NAAQS (May 21, 2012). Importantly, the guidance specifically states that "a regional emissions analysis is not required for conformity determinations for the 1997 ozone NAAQS because that NAAQS has been revoked (80 FR 12264)"[17].

For background, the transportation conformity regulation at 40 CFR 93.109 sets forth the criteria and procedures for determining conformity. The conformity criteria for MTPs and TIPs include: latest planning assumptions (93.110), latest emissions model (93.111), consultation (93.112), transportation control measures (93.113(b) and (c), and emissions budget and/or interim emissions (93.118 and/or 93.119). For the 1997 ozone NAAQS areas, transportation conformity for MTPs and TIPs for the 1997 ozone NAAQS can be demonstrated without a regional emissions analysis, per 40 CFR 93.109(c). This provision states that the regional emissions analysis requirement applies one year after the effective date of EPA's nonattainment designation for a NAAQS and until the effective date of revocation of such NAAQS for an area. The 1997 ozone NAAQS revocation was effective on April 6, 2015, and the *South Coast II* court decision upheld the revocation. As no regional emission analysis is required for this conformity determination, there is no requirement to use the latest emissions model, or budget or interim emissions tests for orphan areas for the 1997 ozone NAAQS, including the Richmond Area.

Therefore, transportation conformity for the 1997 ozone NAAQS can be demonstrated by showing the remaining requirements in Table 1 in 40 CFR 93.109 have been met. These requirements, which are laid out in Section 2.4 of EPA's guidance and addressed below, include:

- Latest planning assumptions (93.110)
- Consultation (93.112)
- Timely Implementation of Transportation Control Measures (93.113)
- Fiscal constraint (93.108)

[15] VDOT, "*Consultation Procedures for the Richmond Ozone Nonattainment Area in Support of the Transportation Conformity Regulations*", Revised July 18, 2005.

[16] "*Transportation Conformity Guidance for the South Coast II Court Decision*", EPA-420-B-18-050, November 2018, available at: www.epa.gov/state-and-local-transportation/policy-and-technical-guidance-state-and-local-transportation

[17] Ibid, p.11 - The following excerpt provides context: "*The South Coast II court decision upheld EPA's revocation of the 1997 ozone NAAQS, which was effective on April 6, 2015. EPA's current transportation conformity regulation requires a regional emissions analysis only during the time period beginning one year after a nonattainment designation for a particular NAAQS until the effective date of revocation of that NAAQS (40 CFR 93.109(c)). Therefore, pursuant to this regulation, a regional emissions analysis is not required for conformity determinations for the 1997 ozone NAAQS because that NAAQS has been revoked (80 FR 12264).*"

5.2 Latest Planning Assumptions

The use of latest planning assumptions in 40 CFR 93.110 of the conformity rule for regional emissions analyses apply generally for modeling inputs but also include assumptions about transportation control measures (TCMs) if any are included in an approved and applicable SIP. As orphan areas as defined in the South Coast II decision and per EPA guidance issued in November 2018 do not require regional emission analyses, and the 2007 SIP for the Richmond region did not include TCMs, the use of latest planning assumptions is not applicable for regional conformity determinations for this region.

5.3 Consultation

The requirements in 40 CFR 93.112 were addressed for both interagency and public consultation[18]. The consultation conducted was consistent with requirements of the Virginia Conformity SIP, which closely reflects the requirements of the federal rule, as well as the Richmond inter-agency consultation procedures for conformity as previously cited. The public consultation conducted was also consistent with planning rule requirements in 23 CFR 450, as well as the RRTPO Public Participation Plan[19]. Copies of consultation materials are provided in Appendix A, including a copy of the conformity schedule as presented to the ICG.

5.4 Timely Implementation of TCMs

As noted above under latest planning assumptions, this requirement is not applicable for Richmond Region as the 2007 Eight-Hour Ozone SIP for Richmond Region did not include TCMs.

5.5 Fiscal Constraint

Transportation conformity requirements in 40 CFR 93.108 state that transportation plans and TIPs must be fiscally constrained consistent with DOT's metropolitan planning regulations at 23 CFR part 450. The RRTPO 2045 LRTP and FY 2021-2024 TIP are fiscally constrained, as documented in the "*Richmond Area 2045 Long-Range Transportation Plan*"[20], and the "*Financial Plan*" section of the TIP[21].

6.0 Conclusion

This report documents that the RRTPO 2045 LRTP and FY 2021-2024 TIP, and TCAMPO 2040 LRTP and FY 2021-2024 TIP, have met all applicable federal (40 CFR Parts 51 and 93), state and local requirements relating to transportation conformity and, accordingly, a finding of conformity for each respective LRTP and TIP is supported.

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[18] See Appendix A for more background on consultation.

[19] See: https://planrva.org/home/document-library/

[20] Seehttps://www.connectrva2045.org/

[21] See: https://planrva.org/home/document-library/

Appendix A:

Consultation Documentation

CHRONOLOGY OF CONSULTATION ACTIVITIES

Richmond Interagency Consultation Group Meeting and Technical Advisory Committee (TAC)[22] Approvals of the Draft Conformity Report, with Inter-Agency Consultation for Conformity (IACC)[23] and Public Consultation:

- **July 1st, 2021**: RRTPO approval of the fiscally-constrained FY 2021-2024 TIP and 2045 LRTP project list for conformity and authorize the TAC to approve conformity determination for public review.

- **July 7th, 2021:** Interagency Consultation Group (ICG) meeting, at which the conformity schedule and project lists for the conformity assessment were approved by the ICG. An opportunity for public input was provided at this meeting but comments were not received.

- **July 7th, 2021:** The RRTPO TAC approved the draft Regional Conformity Assessment and proposed finding of conformity for public review. Comments were not received on the draft report and/or the proposed finding of conformity.

  Note: The agencies and members currently represented in the Richmond ICG, which includes all parties identified in federal and state conformity regulations, are presented in the table below.

Formal Public Review Period:

- **July 9th - July 24th, 2021**: RRTPO fifteen day public review period on the draft Regional Conformity Assessment. A total of five adverse comments were received during the public review period. A copy of the submitted comments and the RRTPO response are attached.

RRTPO Board Approval of Draft Report, with Public Consultation

- **August 5th, 2021**: RRTPO Board approval of the draft Conformity Assessment and finding of conformity for submittal to FHWA, considering any comments and responses from consultation.

[22] The approval process for the RRTPO generally first involves the TAC, which reviews the draft report and provides a recommendation for approval to the RRTPO Board whose meeting is generally later the same month. RRTPO Board and TAC meetings are open to the public, with announcements typically distributed by email the week before the meeting and also posted on the RRTPO website.

[23] The EPA transportation conformity rule at 40 CFR 93.105 requires interagency consultation but not the establishment of a formal group for this purpose. Therefore, the term IACC is used here to reference the consultation *process* actually required under the conformity rule, while the term ICG is retained for the *group* that has been established for the region.

Richmond Interagency Consultation Group Members

Agency	*Designated Staff*
MPO Members	
Charles City County	Ms. Rhonda Russell
Chesterfield County	Ms. Barb Smith
City of Colonial Heights	Mr. Keith Chisholm
City of Hopewell	Mr. Johnnie Butler
City of Petersburg	Mr. Reginald Tabor
City of Richmond	Ms. Dironna Clark
Hanover County	Mr. Joe Vidunas
Henrico County	Ms. Sharon Smidler
Prince George County	Ms. Julie Walton
Town of Ashland	Ms. Nora Amos
Regional	
Crater Planning District Commission	Mr. Ron Svejkovsky
Greater Richmond Transit Company	Ms. Emily DelRoss
Petersburg Transit	Mr. Charles Koonce
Ridefinders	Mr. John O'Keefe
Richmond Regional Planning District	Mr. Chet Parsons
State	
Dept. of Environmental Quality*	Ms. Sonya Lewis-Cheatham
Dept. of Transportation – Environmental	Mr. Jim Ponticello
Dept. of Rail & Public Transportation	Ms. Tiffany Dubinsky
Federal	
Environmental Protection Agency	Mr. Gregory Becoat
Federal Highway Administration	Mr. Ivan Rucker
Federal Transit Administration	Ms. Kathleen Zubrzyci

Attached Supporting Documentation:

- *TCAMPO letter to FHWA dated 06/10/2021 stating that TCAMPO is not amending or updating its TIP or LRTP at this time.*
- *RRTPO Resolution dated 07/01/2021 where the FY21-24 TIP and 2045 LRTP project list was approved for conformity and authorization was given to the TAC to approve the conformity report for Public Review.*
- *ICG Presentation and meeting minutes for the ICG*
- *RRTPO TAC agenda item 9. dated 07/07/2021 where the draft conformity report was approved for Public Review*
- *RRTPO 15 day public review period advertisement for the RCA.*
- *Public comments received and RRTPO response*
- *RRTPO resolution documenting approval of the conformity report at the RRTPO Board meeting.*

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CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX: 804-732-8972 • E-MAIL: info@craterpdc.org • WEBSITE: www.craterpdc.org

June 10, 2021

Mr. Ivan Rucker
Federal Highway Administration
Planning/Environment Program Manager
400 North 8th Street, Suite 750
Richmond, VA 23219

RE: RRTPO 2045 LRTP IGC Meeting — July 7, 2021

Dear Mr. Rucker:

The RRTPO is preparing a 2045 LRTP update that will require a new conformity determination, although the Tri-Cities MPO is not amending or updating its MTIP/MTP at this time, and therefore does not need to have conformity re-determined on its portion.

Sincerely,

Ron Svejkovsky, Director
Tri-Cities Area MPO

CC: Sulabh Aryal, Richmond Regional Planning District Commission
Jim Ponticello, Virginia Department of Transportation

Richmond Regional
Transportation
Planning Organization

RRTPO POLICY BOARD AGENDA 7/1/21; ITEM B.1.

ConnectRVA 2045 – Constrained List of Projects

Richmond Regional Transportation Planning Organization

On motion of Patricia S. O'Bannon, seconded by Christopher Winslow, the Richmond Regional Transportation Planning Organization (RRTPO) Policy Board unanimously approved the following resolution:

RESOLVED, that the RRTPO Policy Board approves the draft 'Constrained List of Projects' for the ConnectRVA 2045 Long-Range Transportation Plan as presented, and

BE IT FURTHER RESOLVED, that the RRTPO Policy Board approves the Constrained List of Projects in the ConnectRVA 2045 Long-Range Transportation Plan and ungrouped projects of the FY21-24 Transportation Improvement Plan (TIP) as RRTPO projects for air quality conformity analysis as required by federal regulations (23 CFR § 450.326) and authorizes the RRTPO Technical Advisory Committee (TAC) to review the draft conformity analysis and open the public review and comment period as needed.

****

This is to certify that the Richmond Regional Transportation Planning Organization Policy Board approved the above resolution at its meeting held July 1, 2021.

WITNESS:

Nicole Mueller
Nicole Mueller
Program Coordinator
PlanRVA

BY:

Chet Parsons
Secretary
Richmond Regional Transportation
Planning Organization

VDOT Virginia Department of Transportation

Richmond/Tri-Cities Regional Conformity Assessment

FY 21-24 Transportation Improvement Program and 2045 Long Range Transportation Plan
Interagency Consultation Group Meeting

Dan Grinnell, VDOT Environmental Division

July 7th – 8:00 a.m.
Richmond Regional Planning District Commission, Richmond, VA

Agenda

1. **Introduction & Overview**
2. **ICG Membership Update**
3. **Consultation Items:**
   a. **Conformity Assessment Schedule**
   b. **Project List for Conformity Assessment**
4. **Public Comment Period**
5. **Approvals & Next Steps**

2

1. Introduction & Overview

- United States Court of Appeals for the District of Columbia Circuit in South Coast Air Quality Mgmt. District v. EPA ("South Coast II," 882 F.3d 1138) held in its decision on February 16, 2018 that transportation conformity determinations must be made in all areas nation-wide that were either nonattainment or maintenance for the 1997 ozone NAAQS and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked.
- The reinstated conformity requirements were subsequently made effective February 16, 2019
- November 29, 2018, EPA issued Transportation Conformity Guidance for the South Coast II Court Decision.
  - For the 1997 ozone NAAQS areas, transportation conformity for MTPs and TIPs for the 1997 ozone NAAQS can be demonstrated without a regional emissions analysis, per 40 CFR 93.109(c).

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1. Introduction & Overview Cont.

- Interagency consultation is required by the Clean Air Act and Transportation Conformity Rule
  - ICG Membership specified by agency
  - MPO approved Consultation Procedures in October 2005
- Consultation required for:
  - Schedule
  - Project lists for the conformity analysis

4

2. ICG Membership Update

Agency	Designated Staff
MPO Members	
Charles City County	Ms. Rhonda Russell
Chesterfield County	Ms. Barb Smith
City of Colonial Heights	Mr. Todd Flippen
City of Hopewell	Mr. Johnnie Butler
City of Petersburg	Mr. Lionel Lyons
City of Richmond	Ms. Dironna Clark
Hanover County	Mr. Joe Vidunas
Henrico County	Ms. Sharon Smidler
Prince George County	Mr. Horace Wade
Town of Ashland	Ms. Nora Amos
Regional	
Crater Planning District Commission	Mr. Ron Svejkovsky
Greater Richmond Transit Company	Ms. Adrienne Torres
Petersburg Transit	Mr. Charles Koonce
Ridefinders	Mr. John O'Keefe
Richmond Regional Planning District	Mr. Chet Parsons
State	
Dept. of Environmental Quality*	Ms. Sonya Lewis-Cheatham
Dept. of Transportation – Environmental	Mr. Jim Ponticello
Dept. of Rail & Public Transportation	Ms. Tiffany Dubinsky
Federal	
Environmental Protection Agency	Mr. Gregory Becoat
Federal Highway Administration	Mr. Ivan Rucker
Federal Transit Administration	Ms. Kathleen Zubrzyci

The VADEQ representative also serves as the MRAQC/LPO representative as needed

5

Richmond 8-Hour Ozone Maintenance Area

6

3(a). Conformity Assessment Schedule

Date	Task
July 1st, 2021	RRTPO approves fiscally-constrained FY21-24 TIP and 2045 LRTP project list for conformity and authorizes the TAC to approve draft regional conformity assessment for public review
July 7/8th, 2021	Interagency Consultation Group (ICG) Meeting on FY21-24 TIP and 2045 LRTP regional conformity assessment @ RRPDC
July7/8th, 2021	RRTPO TAC approves draft regional conformity assessment for public review (following the ICG meeting)
July 9th - July 24th, 2021	15-day public comment period on draft regional conformity assessment
July 26th –July 30, 2021	VDOT/PDC staff review and address public comments (if necessary)
August 5th, 2021	RRTPO approves final regional conformity assessment for submittal to FHWA
August 9th, 2021	VDOT submits e-copy of final regional conformity assessment to FHWA; 45-day federal review period begins
September 23rd, 2021	Federal Conformity Determination received

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3(b). Project Lists for Conformity Analysis

- **The conformity project list focuses on projects that are regionally significant and would normally be included in the transportation demand modeling network**
  - ***Regionally Significant project*** **means a transportation project (other than an exempt project) that is on a facility which serves regional transportation needs (such as access to and from the area outside of the region, major activity centers in the region, major planned developments such as new retail malls, sports complexes, etc., or transportation terminals as well as most terminals themselves) and would normally be included in the modeling of a metropolitan area's transportation network, including at a minimum all principal arterial highways and all fixed guideway transit facilities that offer an alternative to regional highway travel.**
- **Projects not regionally significant or not typically modeled are not necessarily identified on this list to be used for modeling**
- **Discussion on project list?**

8

4. Public Comment Period

Three minute limit on comments

9

5. Wrap-Up & Next Steps

APPROVALS:

- ***Membership Updates?***
- **Conformity Schedule**
- **Project Lists for Conformity Assessment**
  - **FY 21-24 TIP and 2045 LRTP**

NEXT STEPS:

- **Approval of the draft conformity assessment for public review that would begin on July 9th**

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MINUTES OF THE RICHMOND
INTER-AGENCY CONSULTATION GROUP (ICG) MEETING

8:00 am, Wednesday July 7th, 2021

Zoom Meeting – Plan RVA

MEMBERS ATTENDING:

Sharon Smidler, County of Henrico
Barbara Smith, County of Chesterfield
Emily DelRoss, GRTC
Sonya Lewis-Cheatham, VDEQ
Jim Ponticello, VDOT
Chet Parsons, RRTPO
Ron Svejkovsky, CPDC
Mike Flagg, County of Hanover
Keith Chisolm, City of Colonial Heights
Tiffany Dubinsky, DRPT
Ivan Rucker, FHWA

OTHERS:

Liz McAdory, VDOT
Dan Grinnell, VDOT
Sulabh Aryal, RRPDC

FHWA – Federal Highway Administration
FTA – Federal Transit Administration
CPDC – Crater Planning District Commission
RRPDC –Richmond Regional Planning District Commission
VDRPT- Virginia Department of Rail and Public Transportation
RRTPO- Richmond Regional Transportation Planning Organization
USEPA – US Environmental Protection Agency
VDEQ – Virginia Dept. of Environmental Quality
VDOT – Virginia Dept. of Transportation
GRTC – Greater Richmond Transit Commission

1. Call to Order and Introduction

Mr. Grinnell with the VDOT Environmental Division provided the presentation at today's ICG meeting. Mr. Grinnell stated the purpose of the meeting is to initiate a regional conformity assessment on the RRTPO FY 2021-2024 TIP and 2045 LRTP, and noted that the Tri-Cities MPO (TCAMPO) has certified that they are not updating or amending its FY 2021-2024 TIP and 2040 LRTP at this time.

Mr. Grinnell advised that United States Court of Appeals for the District of Columbia Circuit in South Coast Air Quality Mgmt. District v. EPA ("South Coast II," 882 F.3d 1138) held in its decision on February 16, 2018 that transportation conformity determinations must be made in all "orphan" areas nationwide that were either nonattainment or maintenance for the 1997 ozone NAAQS and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. Additionally Mr. Grinnell stated that on November 29, 2018, EPA issued South Coast II guidance that says conformity can be demonstrated without a regional emissions analysis in orphan areas. The South Coast II court decision upheld EPA's revocation of the 1997 ozone NAAQS, which was effective on April 6, 2015. EPA's current transportation conformity regulation requires a regional emissions analysis (REA) only during the time period beginning one year after a nonattainment designation for a particular NAAQS until the effective date of revocation of that NAAQS (40 CFR 93.109(c)). Therefore, pursuant to this regulation, a REA is not required for conformity determinations for the 1997 ozone NAAQS because that NAAQS has been revoked. Mr. Grinnell also stated that there must be a conforming TIP and LRTP in place and that projects must come from a conforming TIP and LRTP. In addition, fiscal constraint and interagency consultation requirements still apply.

Mr. Grinnell said that the RRTPO and TCAMPO approved the Interagency Consultation Group (ICG) procedures in October 2005, which require consultation on the schedule and constrained TIP and LRTP project list.

2. ICG Membership Update

Members were requested to provide any updates to VDOT. The following representative's were added as the representatives for GRTC, City of Colonial Heights and City of Petersburg:

Ms. Emily DelRoss, GRTC
Mr. Keith Chisholm, City of Colonial Heights
Mr. Reginald Tabor, City of Petersburg

Updated Membership:

Agency	Designated Staff
MPO Members	
Charles City County	Ms. Rhonda Russell
Chesterfield County	Ms. Barb Smith
City of Colonial Heights	Mr. Keith Chisholm
City of Hopewell	Mr. Johnnie Butler
City of Petersburg	Mr. Reginald Tabor
City of Richmond	Ms. Dironna Clark
Hanover County	Mr. Joe Vidunas
Henrico County	Ms. Sharon Smidler
Prince George County	Ms. Julie Walton
Town of Ashland	Ms. Nora Amos
Regional	
Crater Planning District Commission	Mr. Ron Svejkovsky
Greater Richmond Transit Company	Ms. Emily DelRoss
Petersburg Transit	Mr. Charles Koonce
Ridefinders	Mr. John O'Keefe
Richmond Regional Planning District	Mr. Chet Parsons
State	
Dept. of Environmental Quality*	Ms. Sonya Lewis-Cheatham
Dept. of Transportation – Environmental	Mr. Jim Ponticello
Dept. of Rail & Public Transportation	Ms. Tiffany Dubinsky
Federal	
Environmental Protection Agency	Mr. Gregory Becoat
Federal Highway Administration	Mr. Ivan Rucker
Federal Transit Administration	Ms. Kathleen Zubrzyci

Consultation Items:

Conformity Analysis Schedule

The proposed schedule for the conformity analysis was presented as follows:

Date	Task
July 1st, 2021	RRTPO approves fiscally-constrained FY21-24 TIP and 2045 LRTP project list for conformity and authorizes the TAC to approve draft regional conformity assessment for public review
July 7th, 2021	Interagency Consultation Group (ICG) Meeting on FY21-24 TIP and 2045 LRTP regional conformity assessment @ RRPDC
July 7th, 2021	RRTPO TAC approves draft regional conformity assessment for public review (following the ICG meeting)
July 9th - July 24th, 2021	15-day public comment period on draft regional conformity assessment
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August 5th, 2021	RRTPO approves final regional conformity assessment for submittal to FHWA
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September 23rd, 2021	Federal Conformity Determination received

Schedule subject to change, e.g., if any changes are made to the project lists

No comments were received on the schedule.

Project List for Conformity Analysis

The conformity project list for the TCAMPO FY 21-24 TIP and 2040 LRTP, and RRTPO FY 21-24 TIP and 2045 LRTP were emailed to the ICG prior to the meeting, and they were also included with the RRTPO Transportation Advisory Committee (TAC) agenda package. The project list includes the fiscally constrained FY 21-24 TIP and 2045 LRTP projects as approved by the RRTPO, and also notes whether each project is considered to be regionally significant. The TCAMPO is not updating or amending their TIP or LRTP at this time.

Mr. Grinnell advised the conformity project list focuses on projects that are regionally significant that would normally be included within the regional travel demand model. Mr. Grinnell stated that projects that are not regionally significant may not typically be modeled and would not impact the conformity analysis. Mr. Grinnell asked that the ICG members review the projects to see if any amendments/additions need to be made.

Mr. Sulabh Aryal commented prior to the ICG meeting that the Henrico County project on line 300, Springfield Road widening, is a minor arterial and should be listed as regionally significant. The Project list was updated to reflect this request.

Mr. Sulabh Aryal also commented that the list of projects highlighted as regionally significant are generally on arterial roads or higher functional classification and did not include collectors. Mr. Ponticello responded that historically projects involving arterials or higher functional classifications have been listed as regionally significant and generally are projects that serve regional transportation needs. No additional requests to add or remove projects designated as regionally significant were made.

No additional comments were received. The members present voted unanimously to approve the conformity schedule and project list with the change noted above.

TAC AGENDA 7/7/21; ITEM 9.

DRAFT REGIONAL CONFORMITY REPORT

Richmond Regional Transportation Planning Organization

REQUESTED ACTION: The Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) is expected to be given authority to open a public comment period on the draft regional conformity report by the RRTPO policy board at the July 1, 2021 meeting. TAC is requested to approve opening a comment period on the draft regional conformity report to run from July 9, 2020 to July 24, 2020.

BACKGROUND:

As part of the ConnectRVA 2045 plan (LRTP update), the Richmond-Petersburg Area is required to demonstrate conformity under the Clean Air Act (CAA). While in attainment for all current emissions standards, the region was a nonattainment area, and later a maintenance area, for the 1997 8-hour ozone standard. In 2018, the D.C. Circuit Court issued a decision in *South Coast Air Quality Management District v. EPA* which requires all nonattainment or maintenance areas under the 1997 standards to demonstrate conformity for the LRTP and the TIP, even when in attainment under the more stringent 2015 standards. The constrained list of projects in the ConnectRVA 2045 plan along with the ungrouped projects in the FY 21-24 TIP, will constitute the RRTPO set of projects for this analysis.

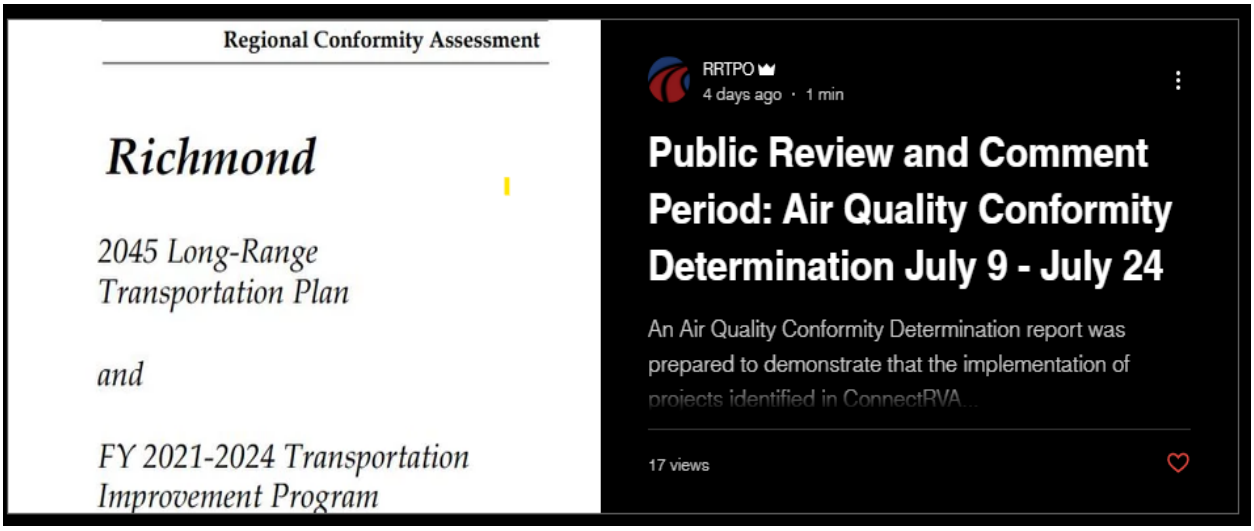
An interagency consultation meeting will be held immediately before the July 7, 2021 TAC meeting to review the process and methodology for the conformity analysis. The draft conformity analysis report will be provided prior to that meeting and will be sent to all TAC members when received. The proposed resolution opens a comment period on the conformity report as required by federal regulations.

TAC ACTION REQUESTED: The following resolution is presented for TAC approval:

RESOLVED, that the Richmond Regional Transportation Planning Organization opens a 15-day comment period for public review and input on the draft regional conformity report to run between July 9, 2021 and July 24, 2021.

SA

https://www.connectrva2045.org/publicengagement



Public Comments – Draft Regional Conformity Report (July 9 - July 24)

Comment #1

Message: No funding dollars should be spent on infrastructure for private cars; this includes new highways, more roads, larger intersections, highway expansions, wider roads, and more parking. Not only are all these are antithetical to clean air and will only exacerbate the global climate crisis we are in, it will only serve to increase car dependence in our region. A robust public transportation system needs to be implemented in our region. Better transportation alternatives need to be implemented in our region. If we follow the same bad playbook as every other region (Northern Virginia, the Tidewater area), we will end up just like them: chocked in roads and bad traffic.

RRTPO Response: Thank you for your constructive feedback. RRTPO supports multimodal transportation investment and that is reflected in the plan. The plan includes alternate transportation investments like the Richmond region's north-south shared use path (the Fall Line trail) as well as multijurisdictional BRT and enhanced transit routes. Out of all the known active transportation projects suggested as part of the Universe of Projects, 97% were included in the cost-possible plan. ConnectRVA 2045 is a need-based plan. There are unmet highway needs in the region which the plan addresses, and these highway projects are in line with locality priorities. The plan is updated every five years and as regional priorities change so do the projects listed in the plan.

Comment #2

Message: It is gratifying to see so many public transportation and bike/pedestrian projects on the draft Air Quality Conformity Report. They will all help improve the air quality of the region. One would hope that many of the regionally significant road widening projects would also include the construction of sidewalks. The League of Women Voters of the Richmond Metropolitan Area supports multi-modal transportation, which includes walking and bicycling, and public transportation. The national League of Women Voters supports air pollution controls (See Impact on Issues, p. 98 https://www.lwv.org/sites/default/files/2020-12/LWV-impact-2020.pdf .)

RRTPO Response: Thank you for your constructive feedback. Many regionally significant road widening projects in the Richmond region include bike and pedestrian accommodations like sidewalks, crosswalks and bike lanes.

Comment #3

Message: I am incredibly disappointed that so much of this money is going to projects that harm air quality. Additionally, the building of highways instead of better transit options (busses, bike lanes) is a deep point of concern. To add to this, I am surprised and frustrated that the suburban county of Henrico that already is very difficult to move within without a car is getting so much regional transit money and spending so little of it to improve mobility for lower income people. The lack of useful service between Richmond and Henrico requires people to own cars throughout Henrico, thereby negatively impacting the air quality of neighborhoods. I live in the city of Richmond on a bus line and work in Henrico County. It would take me 50 minutes via bus (instead of 15 via car) to get to my office (also on a bus line). I would also love to bike to work but can't do so during the workday as it is so very unsafe. Building better interchange between Richmond and Henrico specifically would allow for more people to use busses and bikes to commute rather than cars. This would be better for the overall health and mobility of the region as well as air quality (due to a decreased reliance on cars).

RRTPO Response: Thank you for your feedback. RRTPO supports multimodal transportation investment, including transit. The plan includes capital investments for four multijurisdictional enhanced transit (15-minute service frequency) routes and one bus rapid transit (BRT) route and well as one major transfer station and two neighborhood transfer stations. Four of the new enhanced transit or BRT routes will be routes from Richmond to Henrico County.

Regarding air quality, the Richmond region is currently meeting all of EPA's air quality standards, including those for ozone and fine particulate matter. ConnectRVA 2045 is not anticipated to cause or contribute to a violation of any air quality standards. The Virginia Department of Environmental Quality (VDEQ) maintains a network of air quality monitors throughout the Commonwealth, and current data can be viewed at https://www.deq.virginia.gov/air/monitoring-assessments/air-monitoring/pollutant-monitoring.

Comment #4

Message: The plan is wonderful. Apparently, the people who oppose it never go anywhere unless they can walk or bike.

Comment #5

Message: The allocation percentage to roads is too high. Please allocate more to shared transportation, bike and pedestrian options.

RRTPO Response: Thank you for your constructive feedback. ConnectRVA 2045 is a need-based plan. Allocation of transportation dollars are based on the current regional need and local jurisdiction priorities. As a matter of comparison, out of all the possible projects that were developed in each category, 97% of active transportation projects are included in the final plan while only 80% of highway projects are included in the final plan. The plan is updated every five years and as regional priorities change over time so will the allocation percentage to different transportation modes.

Comment #6

Message: I am surprised to read that a plan where one quarter of all the projects explicitly add capacity for more cars in the region passes any kind of air quality assessment -- on the face of it, that\'s just not credible. And that\'s before taking into account the dollar value of these projects compared to potential alternatives, and the reality that many of the \"safety\" projects are primarily operational changes that will add capacity, and that several new roads and added capacity on smaller roads are not even assessed. We should not be adding any more capacity for cars. Period.

RRTPO Response: Thank you for your constructive feedback. RRTPO supports multimodal transportation investment which includes all transportation modes including highway, transit, active transportation, freight and passenger rail. Along with transit, active transportation, freight and passenger rail needs, there are unmet highway needs, aligned with the locality priorities which ConnectRVA 2045 addresses.

Regarding air quality, the Richmond region is currently meeting all of EPA's air quality standards, including those for ozone and fine particulate matter. ConnectRVA 2045 is not anticipated to cause or contribute to a violation of any air quality standards. The Virginia Department of Environmental Quality (VDEQ) maintains a network of air quality monitors throughout the Commonwealth, and current data can be viewed at https://www.deq.virginia.gov/air/monitoring-assessments/air-monitoring/pollutant-monitoring.

Richmond Regional
Transportation
Planning Organization

RRTPO POLICY BOARD AGENDA 8/5/21; ITEM B.3.

Draft Regional Conformity Assessment Report

Richmond Regional Transportation Planning Organization

On motion of John L. Lumpkins, seconded by Kevin P. Carroll, the Richmond Regional Transportation Planning Organization (RRTPO) Policy Board unanimously approved the following resolution:

RESOLVED, that the Richmond Regional Transportation Planning Organization Policy Board approves the Richmond Regional Conformity Assessment Report.

****

This is to certify that the Richmond Regional Transportation Planning Organization Policy Board approved the above resolution at its meeting held August 5, 2021.

WITNESS:

Nicole Mueller

Nicole Mueller
Program Coordinator
PlanRVA

BY:

Chet Parsons
Secretary
Richmond Regional Transportation
Planning Organization

Appendix B:
Project List
(Regionally significant projects are highlighted)

SN	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Anticipated Opening Year	21-24 TIP	2045 CLRP	Reg Sig for AQ?
1	Tri-Cities	CDAA	Capital	PAT Purchase Paratransit Vehicles			Public Transportation					x		No
2	Tri-Cities	Chesterfield	101028	RTE 600 - ROUNDABOUT	0.066 MI S RTE 628 (Hickory Road)	0.076 MI N RTE 628 (Hickory Road) (0.1400 MI)	Intersection Improvements					x		No
3	Tri-Cities	Chesterfield	104083	Rt. 1107 E. River Rd.	INT. ROUTE 36 (CHESTERFIELD AVENUE)	INT. ROUTE 1106 (DUPUY ROAD) (0.7400 MI)	Widen 2L to 4L	2	4	Urban Minor Arterial	2016	x		Yes
4	Tri-Cities	Chesterfield	104661	RTE 1 - ADD TRAFFIC SIGNAL AND TURN LANES	Happy Hill Rd	Tipton St	Intersection Improvements					x		No
5	Tri-Cities	Chesterfield	112660	N. ENON CHURCH ROAD WIDENING	Route 10	MPO Line	Widen 2L to 4L	2	4	Urban Minor Arterial	2025		x	Yes
6	Tri-Cities	Chesterfield		LAKEVIEW ROAD/BRANDERS BRIDGE ROAD INTERSECTION IMPROVEMENT	BRANDERS BRIDGE ROAD	LAKEVIEW ROAD	Intersection Improvements						x	No
7	Tri-Cities	Chesterfield		REALIGN BESSIE LN/E RIVER RD INT. WITH GRANGER ST AND RECONSTRUCT BESSSIE LN FROM E RIVER ROAD/GRANGER ST TO THE TERMINAI.	GRANGER STREET	BESSIE LANE/EAST RIVER ROAD	Intersection Improvements						x	No
8	Tri-Cities	Chesterfield		RECONSTRUCT BRANDERS BRIDGE ROAD FROM LONG CREEK LANE TO TOOLEY DRIVE AS A TWO-LANE ROAD WITH SHOULDERS AND DITCHES.	LONG CREEK LANE	TOOLEY DRIVE (1.3 miles)	Reconstruction/Maintenance						x	No
9	Tri-Cities	Chesterfield		EAST-WEST FREEWAY (2 LANES)	ROUTE 1	(WEST OF BRANDERS BRIDGE ROAD (2.3 miles)	New Road	0	2	Future Urban Expressway	2034		x	Yes
10	Tri-Cities	Chesterfield		MATOACA ROAD	WOODPECKER ROAD	HICKORY ROAD	Reconstruction/Maintenance						x	No
11	Tri-Cities	Chesterfield		WOODPECKER ROAD	WOODPECKER ROAD	SANDY FORD ROAD	Intersection Improvements						x	No
12	Tri-Cities	Chesterfield		WOODPECKER ROAD	JOHN WINSTON JONES PKWY	SANDY FORD ROAD (1.1 miles)	Reconstruction/Maintenance						x	No
13	Tri-Cities	Colonial Heights	3945	RTE 1 - IMPROVE INT AT DUPUY AVE			Intersection Improvements					x		No
14	Tri-Cities	Colonial Heights	85623	I95/TEMPLE AVE - INTERCHANGE IMPR (FED ID 20145, 20146)			Interchange Improvement			Interstate	2017	x		Yes
15	Tri-Cities	Colonial Heights	90374	RTE 1 - ADD CENTER TURN LANE	WINDSOR AVE	PICKWICK AVE (0.0800 MI)	Add Center Turn lane	4	5	Urban Principal Arterial		x		Yes
16	Tri-Cities	Colonial Heights	101287	DUPUY AVE - MINOR WIDENING	WCL COLONIAL HTS	0.10 MI W RTE 1 (BOULEVARD) (0.3800 MI)	Add Center Turn lane	2	3	Urban Minor Arterial		x		Yes
17	Tri-Cities	Hopewell	1436	Cedar Level Rd. (PE and RW)	North Avenue	Cobblestone Parkway	Widen 2L to 4L	2	4	Urban Minor Arterial	2028	x	x	Yes
18	Tri-Cities	Hopewell	90018	Cedar Level Rd. (PE and CN)	Cobblestone Parkway	Miles Avenue	Widen 2L to 4L	2	4	Urban Minor Arterial	2020	x	x	Yes
19	Tri-Cities	MPO-Wide	70725	RICHMOND TRI-CITIES REGIONAL STP (RSTP) BALANCE ENTRY			Budget					x		No
20	Tri-Cities	MPO-wide	115085	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY19			Planning					x		No
21	Tri-Cities	MPO-wide	115897	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY20			Planning					x		No
22	Tri-Cities	MPO-wide	115898	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY21			Planning					x		No
23	Tri-Cities	MPO-wide	115899	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY22			Planning					x		No
24	Tri-Cities	MPO-wide	115900	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY23			Planning					x		No
25	Tri-Cities	MPO-wide	115902	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY24			Planning					x		No
26	Tri-Cities	MPO-wide	72904	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC			Planning					x		No

SN	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Anticipated Opening Year	21-24 TIP	2045 CLRP	Reg Sig for AQ?
27	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT ADP Hardware			Public Transportation					x		No
28	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Purchase Support Vehicles			Public Transportation					x		No
29	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Replace Rolling Stock			Public Transportation					x		No
30	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Bus Stop Benches			Public Transportation					x		No
31	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Purchase Shop Equipment			Public Transportation					x		No
32	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Passenger Amenities - Bus Stop Signs			Public Transportation					x		No
33	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Petersburg Area Transit- Misc. Support Equipment (Radios)			Public Transportation					x		No
34	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Petersburg Area Transit: Rehab/Renovate Bus Maintenance Facility			Public Transportation					x		No
35	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Petersburg Area Transit: Preventative Maintenance			Public Transportation					x		No
36	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Passenger Shelters			Public Transportation					x		No
37	Tri-Cities	PAT (Petersburg Area Transit)	Operating	PAT0001 Operating Assistance			Public Transportation					x		No
38	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Purchase Surveillance/Security Equipment			Public Transportation					x		No
39	Tri-Cities	Petersburg	101289	PUDDLEDOCK RD - IMPROVE INTERSECTION			Intersection Improvements					x		No
40	Tri-Cities	Petersburg	104036	City of Petersburg, Southside Depot Restoration			Enhancement					x		No
41	Tri-Cities	Petersburg	T204	Tri-Cities MPO Air Quality Maintenance Area			Budget					x		No
42	Tri-Cities	Prince George	100499	RTE 460 - ADD LEFT TURN LANE WESTBOUND AT RTE 657			Intersection Improvements					x		No
43	Tri-Cities	Prince George	87941	RTE 630 - ROUNDABOUT AT AVENUE A - FT LEE (0.2000 KM)			Intersection Improvements					x		No
44	Tri-Cities	Prince George	105110	RTE 106 - ADD RIGHT TURN LANE			Intersection Improvements					x		No
45	Tri-Cities	Prince George	105131	RTE 645 & RTE 144 - INTERSECTION IMPROVEMENT			Intersection Improvements					x		No
46	Tri-Cities	Richmond District-wide	70722	RICHMOND TRI-CITIES CMAQ BALANCE ENTRY			Budget					x		No
47	Tri-Cities	Statewide	100432	Project Oversight (Rt 460 Corridor Improvement Project)			Budget					x		No
48	Tri-Cities	Statewide	T20741	Vehicle Fuel Conversion Program Marketing			Budget					x		No
49	Tri-Cities	Statewide	T11802	Vehicle Fuel Conversion Program			Budget					x		No
50	Tri-Cities	Statewide	115852	ITTF FY20 Micro Transit			Traffic Management/ Engineering					x		No
51	RRTPO	Ashland	103393	ASHLAND TROLLEY LINE TRAIL	MAPLE ST EXTENSION	TROLLEY LINE TRAIL PARK	Bike/Pedestrian					x		No

SN	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Anticipated Opening Year	21-24 TIP	2045 CLRP	Reg Sig for AQ?
52	RRTPO	Ashland	8651	RTE 1 - WIDEN TO 6 LANES	0.008 MILE NORTH OF ASHCAKE ROAD	0.015 MILE SOUTH OF PLEASANT ROAD	Widen 4L to 6L	4	6	Urban Minor Arterial	2023	x		Yes
53	RRTPO	Ashland	13463	RTE 1 - IMPROVE INTERSECTION AT RTE 54	0.119 MI. S. OF INT. W/ RTE 54	0.086 MI. N. OF INT. W/ RTE 54	Safety					x		No
130	RRTPO	Henrico	50529	RTE 9999 (THREE CHOPT ROAD) WIDEN TO 4 LANES	1.076 Mi W INT. COX ROAD	0.241 MI E INT. GASKINS ROAD	Widen 2L to 4L	2	4	Urban Minor Arterial	2025	x	x	Yes
55	RRTPO	Charles City	59166	RTE 607 - MINOR WIDENING	0.035 Miles East Rte 639 (The New Road)	0.603 Miles East Rte 639 (The New Road)	Reconstruction/Maintenance					x		No
56	RRTPO	Charles City	85337	RTE 609 - RECONSTRUCTION	ON RTE 602, 0.133 MI E OF RTE 609 TO RTE 609	ON RTE 609, FROM RTE 602 TO 0.145 MI N OF RTE 602	Reconstruction/Maintenance					x		No
57	RRTPO	Chesterfield	15988	RTE 1 - BR REPL & MOD LTL @ DSCR (FED ID 4896)	Intersection w/ Rte. 145 (Chester Road)	0.351 Miles North of Rte. 145 (Chester Road)	Bridge					x		No
58	RRTPO	Chesterfield	101243	#SGR RTE 604 - REPLACE BRIDGE OVER TOMAHAWK CREEK (Fed ID 30	0.257 MI W RTE 4656 (COVER RIDGE LA)	0.025 MI W RTE 4656 (COVER RIDGE LA)	Bridge					x		No
59	RRTPO	Chesterfield	105192	RTE 2770 - ADD SIDEWALK	YARROW LANE (RTE 3400)	RTE 653 (COURTHOUSE RD)	Bike/Pedestrian					x		No
60	RRTPO	Chesterfield	106201	RTE 707 - SIDEWALKS	RTE 950 (CHARTER COLONY PKWY)	0.025 MI N RTE 7564 (MIDLOTHIAN WOOD BLVD)	Bike/Pedestrian					x		No
61	RRTPO	Chesterfield	107536	RTE 144 (HARROWGATE RD) - ADD SIDEWALKS - TAP	0.148 MI W OF RIEVES POND DRIVE	0.078 MI E OF RIEVES POND DRIVE	Bike/Pedestrian					x		No
62	RRTPO	Chesterfield	108978	RTE 662 (SPRING RUN ROAD) SIDEWALK	RTE 5150 (BROCKET DRIVE)	SPRING RUN ELEMENTARY SCHOOL	Bike/Pedestrian					x		No
63	RRTPO	Chesterfield	109082	RTE 654 (BAILEY BRIDGE ROAD) SIDEWALK	RTE 5013 (BATTLECREEK DRIVE)	MANCHESTER HIGH SCHOOL	Bike/Pedestrian					x		No
72	RRTPO	Chesterfield	104889	RT 10 (Whitepine to Frith) WIDENING	0.25 miles N of WHITEPINE ROAD	FRITH LANE	Widen 4L to 6L	4	6	Urban Principal Arterial	2022	x	x	Yes
65	RRTPO	Chesterfield	115193	Road Diet Study (Hopkins, Turner, Whitepine)	Various	Various	PE only					x		No
66	RRTPO	Chesterfield	115202	Countywide Sidewalk Plan	Various	Various	PE only					x		No
67	RRTPO	Chesterfield	115534	Hopkins/Chippenham Interchange Modification Report (IMR)	Various	Various	PE only					x		No
68	RRTPO	Chesterfield	109191	RTE 288/COMMONWEALTH CTR PKWY & BAILEY BRIDGE CONNECTOR IMR	288 360	288 360	PE only					x		No
69	RRTPO	Chesterfield	101020	#HB2.FY17 RTE 10 (BERMUDA TRIANGLE RD TO MEADOWVILLE RD)	1.73 mi. W of Rte. 618 (OLD BERMUDA HUNDRED RD)	0.27 mi. E of Rte. 618 (OLD BERMUDA HUNDRED ROAD)	Widen 4L to 6L	4	6	Urban Principal Arterial	2022	x		Yes
70	RRTPO	Chesterfield	102952	RTE 10 (I-95 - Rt 1) - WIDENING	0.087 MI W RTE 1(JEFF DAVIS HWY)	0.507 MI E RTE 1 (JEFF DAVIS HWY)	Widen 4L to 6L	4	6	Urban Principal Arterial	2020	x		Yes
71	RRTPO	Chesterfield	102959	RTE 60 - WIDEN TO 6 LANES	Int. Rte. 677 (OLD BUCKINGHAM RD)	Int. Rte. 727 (Alverser Drive)	Widen 4L to 6L	4	6	Urban Principal Arterial	2016	x		Yes
73	RRTPO	Chesterfield	104890	RTE 360 E (Lonas Pkwy to Castle Rock Rd) - WIDENING	0.190 Miles West of Bridgewood Rd.	0.029 Miles East of Castle Rock Rd.	Widen 5L to 6L	5	6	Urban Principal Arterial	2022	x	x	Yes
54	RRTPO	Charles City	106296	RTE 155 - CONSTRUCT TRAIL (PE Only)	RTE 602 (LOTT CARY RD)	NEW KENT CO LN	PE only					x	x	No
112	RRTPO	Hanover	109260	POLE GREEN RD WIDENING	Bell Creek Road	Rural Point Road	Widen 2L to 4L	2	4	Urban Minor Arterial	2028	x	x	Yes
80	RRTPO	Chesterfield	110393	#HB2.FY17 RT 10 (BERM TRI TO MEADOWV) GARVEE DEBT SERVICE			Other					x	x	No
76	RRTPO	Chesterfield	17179	RTE 649 - RECONSTRUCTION	0.343 MI S RTE 3186 (SUSSEX DR)	RTE 3186 (SUSSEX DR)	Reconstruction/Maintenance					x		No

SN	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Anticipated Opening Year	21-24 TIP	2045 CLRP	Reg Sig for AQ?
77	RRTPO	Chesterfield	17180	RTE 649 - RECONSTRUCTION	0.12 MI S RTE 743 (BURNETT DR)	0.12 MI N RTE 743 (BURNETT DR)	Reconstruction/Maintenance					x		No
78	RRTPO	Chesterfield	101021	RTE 1 - IMPROVE INTERSECTION	0.18 MI S RTE 618	0.25 MI N RTE 618	Safety					x		No
79	RRTPO	Chesterfield	-2131	Expansion of Bus Service	Expansion of Bus Service		Public Transportation					x		No
141	RRTPO	Henrico	110394	#HB2.FY17 RTE 64 - MAJOR WIDENING GARVEE DEBT SERVICE			Other					x	x	No
74	RRTPO	Chesterfield	111466	#SMART18 - I-95 Aux Lanes (nb & sb) b/w Rte. 288 & Rte. 10	0.413 Miles North of Route 10	1.374 Miles North of Route 10	Capacity Increase			Interstate	2023	x	x	Yes
75	RRTPO	Chesterfield	111467	#SMART18 - SB Rt 288 to WB US 360 WB Off-Ramp, US360 PNRLot			Capacity Increase			Urban Expressway	2022	x	x	Yes
83	RRTPO	DRPT	AGP0001	Paratransit Vehicles			Public Transportation					x		No
84	RRTPO	DRPT	CAA0001	New Freedom Program			Public Transportation					x		No
85	RRTPO	DRPT	CAA0002	New Freedom Mobility Management			Public Transportation					x		No
86	RRTPO	DRPT	CHS0002	Paratransit Vehicles			Public Transportation					x		No
87	RRTPO	DRPT	GPCS001	Paratransit Vehicles			Public Transportation					x		No
88	RRTPO	DRPT	RRC0001	Paratransit Vehicles			Public Transportation					x		No
89	RRTPO	GRTC	GRTC00	ERP Consultant			Public Transportation					x		No
90	RRTPO	GRTC	GRTC000	BRT Park & Ride			Public Transportation					x		No
91	RRTPO	GRTC	GRTC0000	Downtown Transfer Plaza			Public Transportation					x		No
92	RRTPO	GRTC	GRTC003	Preventive Maintenance			Public Transportation					x		No
93	RRTPO	GRTC	GRTC004	Replacement Rolling Stock			Public Transportation					x		No
94	RRTPO	GRTC	GRTC005	Purchase and Install Shelters			Public Transportation					x		No
95	RRTPO	GRTC	GRTC008	Paratransit Vehicles			Public Transportation					x		No
96	RRTPO	GRTC	GRTC031	Security/Surveillance Equipment			Public Transportation					x		No
97	RRTPO	GRTC	GRTC032	Acquire Maintenance Equipment			Public Transportation					x		No
98	RRTPO	GRTC	GRTC033	Acquire Computer Hardware			Public Transportation					x		No
99	RRTPO	GRTC	GRTC034	Acquire Computer Software			Public Transportation					x		No
100	RRTPO	GRTC	GRTC035	Purchase Support Vehicles			Public Transportation					x		No
101	RRTPO	GRTC	GRTC037	Capital Cost of Vanpool Contracting			Public Transportation					x		No
102	RRTPO	GRTC	GRTC050	Maintenance/Admin Facility Expansion			Public Transportation					x		No
103	RRTPO	GRTC	GRTC055	Employee Education/Training			Public Transportation					x		No
104	RRTPO	GRTC	GRTC056	Renovation of Administrative/Maintenance Facility			Public Transportation					x		No
105	RRTPO	GRTC	GRTC058	Southside Transfer Plaza			Public Transportation					x		No
106	RRTPO	GRTC	GRTC059	Non-Fixed Route ADA Paratransit Svc			Public Transportation					x		No
107	RRTPO	GRTC	GRTCxxx	Replacement Buses			Public Transportation					x		No

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108	RRTPO	Hanover	82399	#SGR RTE 625 - BRIDGE REPLACEMENT	0.071 MI. E OF HENRICO COUNTY LINE	0.045 Mi. W OF Hanover LINE	Bridge				2017	x		No
109	RRTPO	Hanover	109988	RTE 715 - BRIDGE ONLY OVER NEWFOUND RIVER (FED ID 9578)	0.80 Miles North of Rte 781	0.90 Miles North of Rte 781	Bridge					x		No
110	RRTPO	Hanover	NO UPC	RTE 802/I95 - REPL BRIDGE, RAMPS & AIRPARK RD (FED ID 9596)	0.252 MILES WEST INT. I-95	0.431 MILES EAST INT. I-95	Bridge				2018	x		No
111	RRTPO	Hanover	98236	Rte 638 - Extend Atlee Rd to Connect to Atlee Station Rd	0. 234 MI. NORTH OF BUCKINGHAM BRANCH RAILROAD	0. 244 MI. SOUTH OF BUCKINGHAM BRANCH RAILROAD	New Road	0	2	Urban Major Collector	2018	x		No
64	RRTPO	Chesterfield	111713	#SMART18 - BBC Ph 1 - Bailey Br Conn., Brad McNeer Conn.	BRAD MC NEER PKWY	BAILEY BRIDGE ROAD	Interchange Improvement			Urban Expressway	2024	x	x	Yes
113	RRTPO	Hanover	17768	RTE 360 - WIDENING FROM 4 TO 6 & 8 LANES	RTE 295N BRIDGE	RTE 1133 (WYNBROOK LN)	Widen 4L to 6L	4	6	Urban Principal Arterial	2017	x		Yes
114	RRTPO	Hanover	56181	RTE 33 - ADD LEFT TURN LANES AT THE INTERSECTION OF RTE 623	0.310 MI S RTE 623 (ASHLAND RD)	0.285 MI N RTE 623 (ASHLAND RD)	Intersection Improvements				2018	x		No
115	RRTPO	Hanover	77121	RTE 638 - CONSTRUCT LTL & ADD SB REC. LN	0.2 MILE SOUTH OF ROUTE 301	INTERSECTION ROUTE 301	Intersection Improvements				2016	x		No
116	RRTPO	Hanover	104957	#HB2.FY17 RTE 656 - SLIDING HILL ROAD CORRIDOR	0.35 MI W RTE 1265 (TOTOPOTOMOY TRAIL)	0.676 MI E RTE 1265 (TOTOPOTOMOY TRAIL)	Widen 2L to 4L	2	4	Urban Minor Arterial	2020	x		Yes
135	RRTPO	Henrico	111716	#SMART18 - RICHMOND-HENRICO TURNPIKE -- SOUTH SGMT	LABURNUM AVENUE	HUMMINGBIRD RD	Widen 2L to 4L	2	4	Urban Minor Arterial	2024	x	x	Yes
118	RRTPO	Hanover	81667	RTE 615 (CREIGHTON RD) - ROUNDABOUT	COLD HARBOR RD - FR 0.16 MI N CREIGHTON RD TO 0.08 MI S	CREIGHTON RD - FR 0.12 MI W COLD HARBOR RD TO 0.07 MI E	Intersection Improvements				2020	x		No
119	RRTPO	Hanover	103014	RT 623 - IMPROVE INTERSECTION	0.184 mi W Rte 1(Washington Hwy)	Rte 1(Washington Hwy)	Intersection Improvements				2019	x		No
120	RRTPO	Hanover	18962	RTE 360 - INTERSECTION RELOCATION	0.012 MI S RTE 360	0.333 MI S RTE 360	Intersection Improvements				2017	x		No
121	RRTPO	Hanover	104875	RTE 606 - ROUNDABOUT	0.103 MI W INT RTE 643(RURAL POINT RD)/ RTE 606(STUDLEY RD)	0.068 MI E INT RTE 643(RURAL POINT RD)/RTE 606(STUDLEY RD)	Safety				2018	x		No
122	RRTPO	Henrico	97565	RTE 64 - REPLACE BRIDGES OVER RTE 156 (FED ID 9760 & 9762)	0.473 MILE WEST OF ROUTE 156	0.475 MILE EAST OF ROUTE 156	Bridge					x		No
123	RRTPO	Henrico	104880	RIDGEFIELD PKWY - CONSTRUCT SIDEWALK	PUMP RD	FALCONBRIDGE DR	Bike/Pedestrian					x		No
124	RRTPO	Henrico	104881	JOHN ROLFE PKWY - ADD SIDEWALK	RIDGEFIELD PKWY	GAYTON RD	Bike/Pedestrian					x		No
125	RRTPO	Henrico	107535	DOREY PARK - SHARED-USE PATH - TAP	1.0 mi S of the int of Darbytown Rd and Dorey Pk	0.1 mi S of the int of Darbytown Rd and Dorey Pk	Bike/Pedestrian					x		No
126	RRTPO	Henrico	110968	FOUR MILE CREEK VCT IMPROVEMENTS	0.1 mi E of Farmer's Circle Drive	0.1 mi W of Farmer's Circle Drive	Bike/Pedestrian					x		No
127	RRTPO	Henrico	1715	RTE 895 - 95/295 CONNECTOR (PE ONLY IN SYP)	CHESTERFIELD/HENRICO COUNTY LINE	ROUTE I-295	PE only					x		No
128	RRTPO	Henrico	115001	Parham Road/Hungary Road Bicycle and Pedestrian Study	Various	Various	PE only					x		No
129	RRTPO	Henrico	50528	THREE CHOPT ROAD - WIDENING - PE ONLY	BARRINGTON HILL DRIVE	GASKINS ROAD	PE only					x		No
81	RRTPO	Chesterfield	111981	#SMART18 - BBC Ph 1-Bailey Br, Brad McNeer-GARVEE Debt Serv			Other					x	x	No

SN	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Anticipated Opening Year	21-24 TIP	2045 CLRP	Reg Sig for AQ?
131	RRTPO	Henrico	60933	RTE 9999 - DABBS HOUSE RD; RECONSTRUCTION	INT. DABBS HOUSE ROAD AND NINE MILE ROAD	0.075 MI. N OF INT. DABBS HOUSE RD & E RICHMOND RD	Widen 2L to 4L	2	4	Urban Minor Arterial		x		Yes
132	RRTPO	Henrico	107458	#HB2.FY17 RTE 64 - MAJOR WIDENING	RTE 295	EXIT 205 (BOTTOM'S BR)	Widen 4L to 6L	4	6	Interstate	2019	x		Yes
133	RRTPO	Henrico	107459	#HB2.FY17 RTE 64 - EXTEND ACCELERATION/DECELERATION LANES	AT WEIGH STATIONS	–	Safety					x		No
134	RRTPO	Henrico	110911	#SMART18 - Richmond-Henrico Tpke Improvements - North Segmnt	HUMMINGBIRD RD	0.69 MI NORTH OF AZALEA AVENUE	Widen 2L to 4L	2	4	Urban Minor Arterial	2024	x		Yes
82	RRTPO	Chesterfield	111984	#SMART18 - I-95 AuxLanes b/w Rte.288/Rte.10-GARVEE Debt Serv			Other					x	x	No
136	RRTPO	Henrico	60934	RTE 9999 - SADLER RD; WIDEN & RECONSTRUCT; FED ESCROW PROJ	0.005 MI WEST OF DOMINION BOULEVARD	0.030 MI EAST OF CEDAR FOREST ROAD	Widen 2L to 4L	2	4	Urban Minor Collector		x		No
137	RRTPO	Henrico	107461	#HB2.FY17 RTE 64 EB - PAVEMENT MARKING	AT RTE 295	–	Safety					x		No
138	RRTPO	Henrico	111732	I-64 AT GASKINS ROAD IMR	W. Broad St	500' S of Three Chopt Rd	PE only					x		No
139	RRTPO	Henrico	113844	I-64 at Parham IMR	West of Parham Rd	East of Parham Rd	PE only					x		No
140	RRTPO	Henrico	109193	CRAC CNG BUS PURCHASE	various	various	Public Transportation					x		No
157	RRTPO	Richmond	113832	Richmond Marine Terminal (RMT) Gate Impr. & New Drop-off Lot	various	various	Other					x	x	No
142	RRTPO	Multi-jurisdictional: Richmond MPO	86357	RAMPO Travel Demand Modeling On-Call Consultant Support			Other					x		No
143	RRTPO	Multi-jurisdictional: Richmond MPO	-9879	ARRA - GRTC Bus Replacement			Public Transportation					x		No
144	RRTPO	Multi-jurisdictional: Richmond MPO	-9717	Mechanicsville Commuter Transit Service			Public Transportation					x		No
145	RRTPO	Multi-jurisdictional: Richmond MPO	-9678	GRTC bus replacement			Public Transportation					x		No
146	RRTPO	Richmond	93087	#SGR RTE 195 - BRIDGE REPAIR OVER RTE 76, CSX (FED ID 21552)	0.145 MI N OF RTE 76	0.071 MI S OF RTE 76	Bridge					x		No
147	RRTPO	Richmond	104887	RTE 60 - BRIDGE REHABILITATION	AT RTE 161 (BELT BLVD)		Bridge					x		No
148	RRTPO	Richmond	105209	FLOYD AVE BIKE BOULEVARD	VARIOUS LOCATIONS	VARIOUS LOCATIONS	Bike/Pedestrian					x		No
149	RRTPO	Richmond	105889	BIKE SHARE SYSTEM - CITYWIDE	VARIOUS LOCATIONS	VARIOUS LOCATIONS	Bike/Pedestrian					x		No
150	RRTPO	Richmond	106246	CANNON CREEK GREENWAY	VALLEY ROAD	HOSPITAL ROAD (AT OLIVER HILL WY)	Bike/Pedestrian					x		No
151	RRTPO	Richmond	106247	MUNFORD ES & FOX ES - SIDEWALKS	VARIOUS	VARIOUS	Bike/Pedestrian					x		No
152	RRTPO	Richmond	107515	CARNATION STREET - ADD SIDEWALK - TAP	RTE 60 (MIDLOTHIAN TPKE)	HIOAKS RD	Bike/Pedestrian					x		No
153	RRTPO	Richmond	107531	BELLEMEADE PARK - PEDESTRIAN TRAIL - TAP	MINEFREE ST	OAK GROVE-BELLEMEADE SCHOOL	Bike/Pedestrian					x		No
154	RRTPO	Richmond	104892	PORT OF VIRGINIA GREEN OPERATOR (GO) PROGRAM			Other					x		No
155	RRTPO	Richmond	105701	MAIN STREET STATION SITE IMPROVEMENTS	MAIN STREET STATION	MAIN STREET STATION	Public Transportation					x		No
156	RRTPO	Richmond	109266	RICHMOND MARINE TERMINAL - INTERMODAL TRANSER IMPROVEMENTS	Various	Various	Other					x		No

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117	RRTPO	Hanover	115195	Atlee Station Rd Widening	Warren Avenue	Kings Charter Drive	Widen 2L to 4L	2	4	Urban Major Collector	2028	x	x	No
158	RRTPO	Richmond	114631	RICHMOND MARINE TERMINAL - EMERGENCY BULKHEAD REAPAIR	VARIOUS	VARIOUS	Other					x		No
159	RRTPO	Richmond	115222	Arthur Ashe Park-N-Ride Bus Purchase	Various	Various	Public Transportation					x		No
160	RRTPO	Richmond	115815	I-64 Express Barge Service Expansion	Various	Various	Other					x	x	No
161	RRTPO	Richmond	-22779	I-95 at Commerce Road Access Study	Various	Various	PE only					x		No
162	RRTPO	Richmond	15958	COMMERCE ROAD - WIDENING	BELLS ROAD (SOUTH JUNCTION)	0.13 Mile N. of BELLEMEADE ROAD	Reconstruction/Maintenance			Urban Major Collector	2021	x		No
163	RRTPO	Richmond	15955	RTE 1 - INTERSECTION IMPROVEMENTS AT HOPKINS RD & HARWOOD ST	0.008 MI S CHESTERMAN AVE	0.045 MI N FAIRFAX AVE	Intersection Improvements					x		No
164	RRTPO	Richmond	19035	JAHNKE ROAD - 2 LANE IMPROVEMENTS	BLAKEMORE RD	FOREST HILL AVE	Reconstruction/Maintenance					x		No
165	RRTPO	Richmond	19036	FOREST HILL AVENUE IMPROVEMENTS	HATHAWAY RD	POWHITE PARKWAY	Reconstruction/Maintenance					x		No
166	RRTPO	Richmond	103899	MULTIMODAL IMPROVEMENT TO FRANKLIN ST	14TH STREET	18TH STREET	Bike/Pedestrian					x		No
167	RRTPO	Richmond	64219	MAIN STREET STATION CAPITAL PREVENTATIVE MAINTENANCE	(PAYMENT FOR MAINSTREET STATION - MONITORING OF FUNDS	ONLY)	Safety					x		No
168	RRTPO	Richmond	100498	City Signal Systems South of James River	James River	City's South limit	Safety					x		No
169	RRTPO	Richmond	112373	CENTRAL BUS DIST - RETIMING SIGNALS	VARIOUS LOC	VARIOUS LOC	Safety					x		No
170	RRTPO	Richmond	-20113	GRTC REPLACEMENT OF ROLLING STOCK CNG BUSES (FY22)			Public Transportation					x		No
171	RRTPO	Richmond	-11907	GRTC REPLACEMENT BUSES			Public Transportation					x		No
172	RRTPO	Richmond	-1811	City of Richmond: Employee TripReduction Program			Other					x		No
173	RRTPO	Richmond	-998	Global Positioning System/Auto Vehicle Location/Auto Passeng	GPS Auto Vehicle Location	Auto Passenger Counting	Public Transportation					x		No
174	RRTPO	Richmond	-206	Alternative Fuel Trolley Vehicle Replacement			Public Transportation					x		No
175	RRTPO	Richmond	-203	Regionwide Air Pollution Reduction Program - Ridefinders	Regionwide Air Pollution Reduction Program		Other					x		No
176	RRTPO	Richmond	-41	Renovation of Transportation Facility			Public Transportation					x		No
177	RRTPO	Richmond	104958	PURCHASE OF GRTC REPLACEMENT BUSES			Public Transportation					x		No
178	RRTPO	Richmond	109361	GRTC TRANSIT DEVELOPMENT PLAN	various	various	PE only					x		No
179	RRTPO	Richmond	109362	GRTC REPLACEMENT OF ROLLING STOCK CNG BUSES			Public Transportation					x		No
180	RRTPO	Richmond	115818	Cash for Carpool Incentive Program	Various	Various	Other					x		No
181	RRTPO	Richmond	-18054	BUS RAPID TRANSIT (BRT)			Public Transportation					x		No
182	RRTPO	Richmond District-wide	106304	PARK AND RIDE LOTS AT PRIORITY LOCATIONS - PE ONLY	VARIOUS LOCATIONS	VARIOUS LOCATIONS	PE only					x		No
183	RRTPO	Richmond District-wide	70542	I-64 - WIDEN FROM 4 TO 6 LANES AND IMPROVE RTE 623 INTERCHNG	0.99 MI W RTE 623 (WB - RTE 622, EB - RTE 623)	0.38 MI W RTE 295 IN SHORT PUMP (POUNCEY TRACT RD)	Widen 4L to 6L	4	6	Interstate	2015	x		Yes
184	RRTPO	Richmond District-wide	-4314	RICHMOND GRTC - PURCHASE 15 TRANSIT BUSES	RICHMOND GRTC - PURCHASE 15 TRANSIT BUSES		Public Transportation					x		No
185	RRTPO	Statewide	-11802	Vehicle Fuel Conversion Program			Other					x		No
186	RRTPO	Statewide	-20741	VEHICLE FUEL CONVERSION PROGRAM MARKETING			Other					x		No

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187	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Segment 2B - MM 4.0 to MM 9.4 (Only Portion Within RRTPO)	Brander Bridge Rd	VA- 10/W. Hundred Rd	Bike/Pedestrian				2027		x	No
188	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Segment 2D - MM 10.7 to MM 12.9	Chester Rd	Galena Ave	Bike/Pedestrian				2027		x	No
189	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Segment 3A - MM 12.9 to MM 13.6	Galena Ave	Kingsdale Rd	Bike/Pedestrian				2027		x	No
190	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Segment 3D - MM 16.8 to MM 17.7	Wayside Park/Falling Cr	US-1	Bike/Pedestrian				2027		x	No
191	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Segment 3E - MM 17.7 to MM 18.6	US-1	Walmsley Blvd	Bike/Pedestrian				2027		x	No
192	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 4B - MM 20.7 to MM 21.8	Bellemeade Rd	Commerce Rd.	Bike/Pedestrian				2027		x	No
193	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 4C - MM 21.8 to MM 23.9	Commerce Rd	Decatur St	Bike/Pedestrian				2027		x	No
194	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 4D - MM 23.9 to MM 24.3	Semmes Ave	Potterfield Bridge	Bike/Pedestrian				2027		x	No
195	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 5B - MM 25.6 to MM 26.6	3rd St.	W. Duval St	Bike/Pedestrian				2027		x	No
196	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 5C - MM 26.6 to MM 27.6	W. Duval St	Admiral St	Bike/Pedestrian				2027		x	No
197	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 5D - MM 27.6 to MM 28.5	Admiral St	Brookland Pkwy	Bike/Pedestrian				2027		x	No
198	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 6A - MM 28.5 to MM 30.5	Brookland Pkwy	Bellevue Ave	Bike/Pedestrian				2027		x	No
199	RRTPO	Richmond		Fall Line / Route 1 - Richmond Fall Line Trail: Segment 6B - MM 30.5 to MM 31.2	Bellevue Ave	Lakeside Ave	Bike/Pedestrian				2027		x	No
200	RRTPO	Henrico		Fall Line / Route 1 - Henrico Fall Line Trail Phase 4: Lakeside Community Trail Section III	Lakeside Recreation Area	Hilliard Rd	Bike/Pedestrian				2027		x	No
201	RRTPO	Henrico		Fall Line / Route 1 - Henrico Fall Line Trail Phase 6: Villa Park	Lakeside Ave	Parham Rd	Bike/Pedestrian				2027		x	No
202	RRTPO	Hanover		Fall Line / Route 1 - Hanover Fall Line: Segment 7C - MM 37.4 to MM 43.3	Winfrey Rd (Henrico)	Gwathmey Church Rd	Bike/Pedestrian				2027		x	No
203	RRTPO	Henrico		Nuckols Rd Trail - Multiuse Trail	Springfield Rd	Francistown Rd	Bike/Pedestrian				2027		x	No
204	RRTPO	Henrico		Magolia Ridge Dr - Multiuse trail connecting Fall Line to Virginia Center Commons	Brook Rd	Woodman Rd Extended	Bike/Pedestrian				2027		x	No
205	RRTPO	Chesterfield		Connector to Stratton Park - Shared Use Path (eventually connecting Stratton Park to Pocahontas State Park)	VA-150	Jessup Road	Bike/Pedestrian				2027		x	No
206	RRTPO	Henrico		S Airport Dr - Widening with added capacity and bike/ped facilities	Audubon Dr	Williamsburg Rd	Widen 4L to 6L	4	6	Urban Principal Arterial	2027		x	Yes
207	RRTPO	Henrico		Springfield Rd - Widening with added capacity and pedestrian accommodations	Staples Mill Rd	Francistown Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2027		x	Yes
208	RRTPO	Henrico		US-1 & E Parham Rd - Operational improvements and pedestrian accommodations			Intersection Improvements				2027		x	No
209	RRTPO	Henrico		US-250 & Glenside Drive - Operational improvements and pedestrian accommodations			Intersection Improvements				2027		x	No
210	RRTPO	Henrico		US-250 & Pouncey Tract Rd - Increase capacity at US-250 & Pouncey Tract Rd intersection with an additional lane			Intersection Improvements				2027		x	No
211	RRTPO	Richmond		US-360 & Broad Rock Blvd - Construction of an alternative intersection with displaced left turns			Intersection Improvements				2027		x	No
212	RRTPO	Richmond		US-360, Midlothian Turnpike & Clopton St - Construction of a new roundabout in the five legged intersection			Intersection Improvements				2027		x	No
213	RRTPO	Chesterfield		VA-150 & Dalebrook Dr - Elimination of On and Off-Ramps			Interchange Improvement			Urban Expressway	2027		x	Yes
214	RRTPO	Chesterfield		VA-150 & Dalebrook Dr - Elimination of On and Off-Ramps			Interchange Improvement			Urban Expressway	2027		x	Yes
215	RRTPO	Chesterfield		VA-150 & Strathmore Rd - Elimination of On and Off-Ramps			Interchange Improvement			Urban Expressway	2027		x	Yes
216	RRTPO	Richmond		VA-161, Brookland Pkwy & Westwood Ave - Construction of a new roundabout in the five legged intersection			Intersection Improvements				2027		x	No

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217	RRTPO	Ashland		VA-54 - Widening with added capacity	Frances Rd	East Corporate Limits	Widen 2L to 4L	2	4	Urban Minor Arterial	2027		x	Yes
218	RRTPO	Henrico		Woodman Rd - Widening with added capacity and pedestrian accommodations	Hermitage Rd	Hilliard Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2027		x	Yes
219	RRTPO	Henrico		Dickens Rd - Widening with added capacity and bike/ped facilities	Staples Mill Rd	Oconto Rd	Widen 2L to 4L	2	4	Urban Major Collector	2027		x	No
220	RRTPO	Henrico		Horsepen Rd - Widening with added capacity and pedestrian accommodations	Three Chopt Rd	Dexter Rd	Widen 4L to 6L	4	6	Urban Major Collector	2027		x	No
221	RRTPO	Hanover/Henrico		I-295 - Construction of a SB auxiliary lane between the existing lane drop on I-295 SB and Chamberlayne Rd (Exit 41) off ramp (0.4mi)	I-95 Southbound Branch	Chamberlayne Rd (Exit- 41) off ramp	Capacity Increase			Interstate	2027		x	Yes
222	RRTPO	Henrico		I-295 - Widening of the cross-section between I-295 SB deceleration and Exit 43 (Brook Rd) to a two-lane section (0.5mi)	I-295 SB deceleration lane	Exit 43 C	Interchange Improvement			Interstate	2027		x	Yes
223	RRTPO	Hanover		I-295 & Creighton Rd - Widening of the NB VA- 288 Off-Ramp to Two Lanes.	I-295 NB	Creighton Rd NB	Interchange Improvement			Interstate	2027		x	Yes
224	RRTPO	Henrico/Richmond		I-64 - Construction of an auxiliary lane between Exit 185 (US-33) and Exit 186 (I-195)	Exit 185	Exit 186	Capacity Increase			Interstate	2027		x	Yes
225	RRTPO	Chesterfield		I-95 - Widening with added capacity	Exit 62 (VA-288)	Exit 64 (Willis Rd)	Widen 6L to 8L	6	8	Interstate	2027		x	Yes
226	RRTPO	Richmond		I-95 & VA-161 - Conversion of SB I-95 off-ramp at VA-161 (Exit 78) to two lanes. Removal of one lane from SB I-95 prior to on-ramp from EB I-64. Merge 3 lanes to 2 before on-ramp from I-64. Convert off-ramp to Boulevard (VA-161) to 2 lanes (1 choose lane).			Interchange Improvement			Interstate	2027		x	Yes
227	RRTPO	Henrico		Bethlehem Rd - Widening with added capacity and bike/ped facilities	Libbie Ave	Dickens Rd	Widen 2L to 4L	2	4	Urban Major Collector	2027		x	No
228	RRTPO	Ashland		I-95 & VA-54 - Connection SB I-95 off-ramp to Hill Carter Pkwy			Interchange Improvement			Interstate	2027		x	Yes
229	RRTPO	Henrico		Mill Rd - Widening with added capacity and pedestrian accommodations	Mill Place Dr	Mountain Rd	Widen 2L to 4L	2	4	Urban Major Collector	2027		x	No
230	RRTPO	Chesterfield		Old Hundred Road - Widening with added capacity	US-60	Mt Hermon Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2027		x	Yes
231	RRTPO	Hanover or Ashland		Lewistown Rd/Lakeridge Pkwy or Ashland - New P&R Lot of 200 spaces on 1.4 AC			Park & Ride				2027		x	No
232	RRTPO	Chesterfield		Midlothian @ Chippenham - New P&R lot of 270 spaces on 1.9 AC			Park & Ride				2027		x	No
233	RRTPO	Henrico or Richmond		East End CBD at Pulse Terminus-Rocketts - New P&R lot of 130 spaces on 0.9 AC parcel			Park & Ride				2027		x	No
234	RRTPO	Hanover		Pouncey Tract Rd - Widening with added capacity (0.25 mi)	Henrico Co. Line	Ashland Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2027		x	Yes
235	RRTPO	Henrico		I-64/US-60 at Laburnum Rd - New P&R lot of 120 spaces on 0.8 AC parcel			Park & Ride				2027		x	No
236	RRTPO	Henrico or New Kent		I-295at US-60-Technology Blvd/Elko Rd - New P& R lot of 120 space on 0.8 AC as alternative to Bottoms Bridge P&R expansion which is over-capacity			Park & Ride				2027		x	No
237	RRTPO	Henrico		US-250 at Willow Lawn/Staples Mill (Pulse western terminus) - New P&R lot subject of much site search, 290 spaces on 2.0 AC			Park & Ride				2027		x	No
238	RRTPO	Chesterfield		Huguenot Rd at Forest Hill Ave - New P&R lot to replace unofficial lot, 130 spaces on 0.9 AC			Park & Ride				2027		x	No
239	RRTPO	Henrico		I-64 at I-295 in Short Pump - New P& R lot of 320 spaces on 2.2 AC			Park & Ride				2027		x	No
240	RRTPO	Chesterfield		VA- 76/US-60 - New P& R lot			Park & Ride				2027		x	No
241	RRTPO	Chesterfield		VA-76/Jhanke - New P& R lot			Park & Ride				2027		x	No
242	RRTPO	Richmond		23rd Street & Franklin Street Neighborhood Transit Center			Public Transportation				2027		x	No
243	RRTPO	Ashland		Elmont Rd - Construction of a new 2-lane road	Medical Dr	VA-54/Vaughan Rd	New Road	0	2	Future Urban Major Collector	2027		x	No
244	RRTPO	Chesterfield		Woolridge Rd - Widening with added capacity	Watermill Pkwy	Genito Rd	Widen 2L to 4L	2	4	Urban Major Collector	2027		x	No
245	RRTPO	Chesterfield		VA-76 (Powhite Pkwy Ext) - Powhite Parkway Extension Phase 1. Little Tomahawk Creek to Woolridge Rd (2 to 4 lanes), Charter Colony Pkwy (Grade-Separation), Brandermill Pkwy(Overpass)	Little Tomahawk Creek	Woolridge Rd	New Road	0	2	Future Urban Expressway	2027		x	No

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246	RRTPO	Chesterfield		VA-76 (Powhite Pkwy Ext) - Powhite Parkway Extension Phase 2. Woolridge Rd to Genito Rd (0-2 Lanes), Otterdale Rd overpass, at-grade Genito Rd intersection. Genito Rd Magnolia Green Pkwy (0 to 2 lanes), at-grade Magnolia Green Pkwy intersection	Woolridge Rd	Magnolia Green Pkwy	New Road	0	2	Future Urban Expressway	2027		x	No
247	RRTPO	Richmond		Downtown Transfer Center			Public Transportation				2027		x	No
248	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Park Ext to Chester Rd.	VA-10/W. Hundred Rd	Chester Rd	Bike/Pedestrian				2033		x	No
249	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Segment 3C - MM 14.9 to MM 16.8	Gettings Ln	Wayside Park/Falling Cr	Bike/Pedestrian				2033		x	No
250	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Elliham Avenue to Dwight Avenue	Elliham Ave	Dwight Ave	Bike/Pedestrian				2033		x	No
251	RRTPO	Henrico		Cox Rd - Cox Rd Bike Facility	US-250	North end of Cox Rd	Bike/Pedestrian				2033		x	No
252	RRTPO	Henrico		Mountain Rd - Shared Use Trail	Woodman Rd	Staples Mill Rd	Bike/Pedestrian				2033		x	No
253	RRTPO	Henrico		Wilton on the James Trail - Shared Use Trail	VA-5	James River	Bike/Pedestrian				2033		x	No
254	RRTPO	Henrico		Pouncey Tract Rd - Widening with added capacity (to include center turnlane, two through lanes each direction) and bike/ped facilities	Nuckols Rd	Grey Oaks Park Dr	Widen 2L to 5L	2	5	Urban Minor Arterial	2033		x	Yes
255	RRTPO	Henrico		Pump Rd - Widening with added capacity and pedestrian accommodations	Walbrook Rd	Waltham Dr	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
256	RRTPO	Henrico		Shady Grove Rd - Widening with added capacity and bike/ped facilities	Nuckols Rd	Hanover County line	Widen 2L to 4L	2	4	Urban Major Collector	2033		x	No
257	RRTPO	Henrico		Three Chopt Rd - Widening with added capacity and pedestrian accommodations	Skipwith Rd	Horsepen Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
258	RRTPO	Hanover		US- 301 & VA-54 - Converting "Y" intersection to a roundabout			Intersection Improvements				2033		x	No
259	RRTPO	Hanover		US-1 & VA-30 - Reconfiguration from a stop controlled "T" intersection to a "Continuous Green-T" thereby adding a signal and dedicated left and right turn lanes on US-1			Intersection Improvements				2033		x	No
260	RRTPO	Henrico		US-250 & Parham Rd - Operational improvements and pedestrian accommodations			Intersection Improvements				2033		x	No
261	RRTPO	Hanover		US-33 - Widening with added capacity (1.3 mi)	Overhill Lake Ln	Winns Church Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
262	RRTPO	Richmond		US-60 & Belt Blvd - Removal of the existing traffic signals in the vicinity of the interchange at the ramps. Construction of two new roundabouts, one in north and other in south of the bridge.			Interchange Improvement			Urban Principal Arterial	2033		x	Yes
263	RRTPO	Henrico		Charles City Rd - Widening with added capacity	Laburnum Ave	Monahan Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
264	RRTPO	Richmond		VA-10 & Walmsley Blvd - Construction of a new roundabout			Intersection Improvements				2033		x	No
265	RRTPO	Chesterfield		VA-150 & Strathmore Rd - Elimination of On and Off-Ramps			Interchange Improvement			Urban Expressway	2033		x	Yes
266	RRTPO	Richmond		VA-161 & Broad Rock Blvd - Construction of a new roundabout			Intersection Improvements				2033		x	No
267	RRTPO	Hanover		Woodside Ln - Construction of a new 2-lane road (1.1 mi)	Jamestown Rd	Hickory Hill Rd	New Road	0	2	Urban Minor Collector	2033		x	No
268	RRTPO	Richmond		Commerce Rd & Walmsley Blvd - Construction of a roundabout at Commerce Rd and Walmsley Boulevard Intersection			Intersection Improvements				2033		x	No
269	RRTPO	Henrico		Courtney Rd - Widening with added capacity and bike/ped facilities	Staples Mill Rd	Mountain Rd	Widen 2L to 4L	2	4	Urban Major Collector	2033		x	No
270	RRTPO	Hanover		Creighton Rd - Widening with added capacity (1.1mi)	I-295	Cold Harbor Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
271	RRTPO	Henrico		Creighton Rd - Widening with added capacity and bike/ped facilities	Sandy Ln	City Limits	Widen 2L to 3L	2	3	Urban Minor Arterial	2033		x	Yes
272	RRTPO	Henrico		Darbytown Rd - Widening with added capacity and pedestrian accommodations	S Laburnum Ave	Doran Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
273	RRTPO	Henrico		I-295 - Construction of a single northbound auxiliary lane between the onramp from Nuckols Road SB (Exit 51) on-ramp and I-295 NB and I-64 Branch	Nuckols Rd (Exit 51)	Western Terminus	Capacity Increase			Interstate	2033		x	Yes

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274	RRTPO	Henrico		I-295 - Widening to a two-lane section from I-95 SB on ramp onto I-295(Exit 43) NB to end of C-D lane (0.5 mi)	I-95 SB on ramp	Exit 43 C	Interchange Improvement			Interstate	2033		x	Yes
275	RRTPO	Henrico		I-64 - Construction of an auxiliary lane between Exit 180 (Gaskins Rd) and Exit 181 (Parham Rd)	Exit 180	Exit 181	Capacity Increase			Interstate	2033		x	Yes
276	RRTPO	Henrico		I-64 - Construction of an auxiliary lane between Exit 183 (US-250) and Exit 185 (US-33)	Exit 183	Exit 185	Capacity Increase			Interstate	2033		x	Yes
277	RRTPO	Henrico		I-64 - Construction of an auxiliary lane between Exit 183 (US-250) and Exit 185 (US-33)	Exit 183	Exit 185	Capacity Increase			Interstate	2033		x	Yes
278	RRTPO	Henrico		I-64 & US-33 - Addition of a southbound through lane on Staples Mill Road between I-64 west on-ramp and I-64 east on-ramp. New two-phase signal at a widened, 2 lanes to 3 lanes, I-64 off ramp to limit SB weaving. Intersection improvements include added capacity at the US-33 and Bethlehem Rd intersection via additional turn bays and an RCUT/directional median at Millstone Rd			Interchange Improvement			Interstate	2033		x	Yes
279	RRTPO	Ashland		I-95 & VA-54 - Conversion of the interchange to a Diverging Diamond (DDI) (Exit 92)			Interchange Improvement			Interstate	2033		x	Yes
280	RRTPO	Henrico		Lauderdale Dr - Widening with added capacity and bike/ped facilities	Westbriar Dr	Eadenbury Dr	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
281	RRTPO	Hanover		Lewistown Rd & Ashcake Rd - Reconfiguration from a stop controlled "T" intersection to a roundabout			Intersection Improvements				2033		x	No
282	RRTPO	Henrico		Masonic Ln/Brittles Ln - Widening with added capacity and bike/ped facilities	Nine Mile Rd	Williamsburg Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
283	RRTPO	Hanover		Meadowbridge Rd - Widening with added capacity (1.35 mi)	Henrico Co. Line	Atlee Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
284	RRTPO	Henrico		Nuckols Rd - Widening with added capacity and pedestrian accommodations	Shady Grove Rd	Springfield Rd	Widen 4L to 6L	4	6	Urban Minor Arterial	2033		x	Yes
285	RRTPO	Henrico		VA Center Commons/I-295/I-95 - New P&R Lot of 380 Spaces on 2.6 AC			Park & Ride				2033		x	No
286	RRTPO	Henrico		Parham Rd & Patterson Ave - Construction of additional turn lanes and pedestrian accommodations			Intersection Improvements				2033		x	No
287	RRTPO	Henrico		Pouncey Tract Rd - Widening with added capacity and pedestrian accommodations	US-250	N. Gayton Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
288	RRTPO	Henrico		Pouncey Tract Rd - Widening with added capacity and pedestrian accommodations	Grey Oaks Park Dr	N. Gayton Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2033		x	Yes
289	RRTPO	Chesterfield		VA-10/VA- 288 at I-95/I-295 - New P&R lot of 250 spaces on 1.7 AC			Park & Ride				2033		x	No
290	RRTPO	Richmond/Chesterfield		Enhanced Transit Service - Midlothian - 14.3 miles, from CBD to Stonebridge replace less frequent service with more frequency; new service from Stonebridge to Chesterfield Town Center	CBD	Chesterfield Town Center	Public Transportation				2033		x	No
291	RRTPO	Richmond/ Henrico/ Hanover/ Ashland		BRT -Rt 1 North - 15.7 miles from The Pulse BRT downtown to Ashland along US 1	CBD	Ashland	Public Transportation				2033		x	No
292	RRTPO	Richmond/ Henrico		Enhanced Transit Service -Broad St - 11.5 miles from Willow Lawn to Short Pump	Willow Lawn	Short Pump	Public Transportation				2033		x	No
293	RRTPO	Richmond		Southside Transfer Center			Public Transportation				2033		x	No
294	RRTPO	Charles City		Route 155 - Connection between Charles City and New Kent courthouses (spur from Virginia Capital Trail)	VA-5(Charles City Schools)	New Kent County Line	Bike/Pedestrian				2039		x	No
295	RRTPO	Ashland		Archie Cannon Dr - Construction of a bridge over CSX RR			New Overpass	2	2	Urban Major Collector	2039		x	No
296	RRTPO	Hanover		Cauthorne Rd - Widening with added capacity (4.0 mi)	Ashland Rd	Henrico Co. Line	Widen 2L to 4L	2	4	Urban Major Collector	2039		x	No
297	RRTPO	Henrico		River Road - Widening with added capacity and pedestrian accommodations	Sleepy Hollow Rd	E/O VA-150	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
298	RRTPO	Hanover		Rural Point Rd - Widening with added capacity (2.1 mi)	Studley Rd	Pole Green Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
299	RRTPO	Hanover		Cedar Ln - Widening with added capacity (2.1 mi)	US-1	Elmont Rd	Widen 2L to 4L	2	4	Urban Major Collector	2039		x	No

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300	RRTPO	Henrico		Springfield Rd - Construction of a new two-lane road with bike/ped facilities	Francistown Rd	Olde Millbrooke Way	New Road	0	2	Urban Minor Arterial	2039		x	Yes
301	RRTPO	Henrico		Three Chopt Rd - Widening with added capacity and pedestrian accommodations	Gaskins Rd	N Parham Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
302	RRTPO	Ashland		US-1 - Widening with added capacity	US-54	Archie Cannon Dr	Widen 4L to 5L	4	5	Urban Minor Arterial	2039		x	Yes
303	RRTPO	Hanover		US-33 - Widening with added capacity (2.4 mi)	Winns Church Rd	Ashland Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
304	RRTPO	Henrico		Charles City Rd - Widening with added capacity	Williamsburg Rd	Eastport Blvd	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
305	RRTPO	Chesterfield		VA-150 & Hopkins Rd - Construction of a diverging diamond interchange			Interchange Improvement			Urban Expressway	2039		x	Yes
306	RRTPO	Chesterfield		VA-150 & US-360 - Removal of SE, NE loops and signalization of NB ramp terminal			Interchange Improvement			Urban Expressway	2039		x	Yes
307	RRTPO	Chesterfield		VA-150 & US-60 - Construction of a Partial Cloverleaf Interchange with contraflow left turns			Interchange Improvement			Urban Expressway	2039		x	Yes
308	RRTPO	Chesterfield		VA-288 - Widening with added capacity	VA-76 (Powhite Pkwy)	US-360	Widen 4L to 6L	4	6	Urban Expressway	2039		x	Yes
309	RRTPO	Henrico		Church Rd - Widening with added capacity and bike/ped facilities	Three Chopt Rd	John Rolfe Pkwy	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
310	RRTPO	Henrico		Creighton Rd - Widening with added capacity and bike/ped facilities	Cedar Fork Rd	Hanover County Line	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
311	RRTPO	Henrico		I-64 - Construction of an auxiliary lane between Exit 181 (Parham Rd) and Exit 183 (US-250)	Exit 181	Exit 183	Capacity Increase			Interstate	2039		x	Yes
312	RRTPO	Hanover		Ashland Rd - Widening with added capacity (2.65 mi)	US-33	Blanton Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
313	RRTPO	Henrico		I-64 & Parham Rd - Improvement of Interchange Configuration. Widening EB ramp terminal to include dual right turn lanes			Interchange Improvement			Interstate	2039		x	Yes
314	RRTPO	Chesterfield/Richmond		I-95 - Construction of an SB auxiliary lane between Exit 67 (VA-150) and Exit 69 (Bells Rd)	Exit 67 (VA-150)	Exit 69 (Bells Rd)	Capacity Increase			Interstate	2039		x	Yes
315	RRTPO	Hanover		Atlee Station Rd - Widening with added capacity (1.5 mi)	Kings Charter Dr	Sliding Hill Rd	Widen 2L to 4L	2	4	Urban Major Collector	2039		x	No
316	RRTPO	Richmond		I-95 & Belvidere St - Improvement of interchange configuration at Belvidere St/Chamberlayne Ave (Exit 76). Construct C-D Road from Exit 76 to Exit 75.Construct SPUI (single Point Urban Interchange) at Belvidere Street and remove the northbound off-ramp to Chamberlayne Avenue.			Interchange Improvement			Interstate	2039		x	Yes
317	RRTPO	Richmond		I-95 & I-64 - Improvement of interchange configuration with I-64 to improve the SB I-95 to WB I-64 ramp (Exit 79). Merge 3 lanes to 2 after on-ramp from Laburnum. 2-lane on-ramp from SB I-95.Convert WB I-64 on-ramp from SB I-95 to two lanes. Remove one lane from WB I-64 prior to on-ramp.			Interchange Improvement			Interstate	2039		x	Yes
318	RRTPO	Henrico		I-95 & Parham Rd - Construction of a new Partial Cloverleaf Interchange (Exit 83). Improve interchange configuration at Parham Road to remove weaving movements.			Interchange Improvement			Interstate	2039		x	Yes
319	RRTPO	Henrico		N Gayton Rd - Widening with added capacity (to include center turnlane, one through lanes each direction) and bike/ped facilities	US-250	Lauderdale Dr	Widen 2L to 3L	2	3	Urban Major Collector	2039		x	No
320	RRTPO	Hanover		New Ashcake Rd - Construction of a new 2-lane road (1.75 mi)	New Ashcake Rd	Air Park Rd	New Road	0	2	Urban Minor Arterial	2039		x	Yes
321	RRTPO	Henrico		Pemberton Rd - Widening with added capacity and bike/ped facilities	Quioccasin Rd	US-250	Widen 2L to 4L	2	4	Urban Major Collector	2039		x	No
322	RRTPO	Hanover		Pole Green Rd - Widening with added capacity (1.85 mi)	Rural Point Rd	Walnut Grove Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
323	RRTPO	Hanover		Pole Green Rd - Widening with added capacity (2.15 mi)	Walnut Grove Rd	US-360	Widen 2L to 4L	2	4	Urban Minor Arterial	2039		x	Yes
324	RRTPO	Richmond/ Henrico		Enhanced Transit Service -West End South - 15.85 miles enhanced 15-min service	Cary/Main	Gayton Crossing	Public Transportation				2039		x	No
325	RRTPO	Chesterfield		Fall Line / Route 1 - Chesterfield Fall Line Trail: Segment 3B - MM 13.6 to MM 14.9	US-1/Kingsdale Rd	Gettings Ln	Bike/Pedestrian				2045		x	No

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326	RRTPO	Henrico		Fall Line / Route 1 - Henrico Fall Line Trail Phase 7: Longdale	Parham Rd	Woodman Rd Extended	Bike/Pedestrian				2045		x	No
327	RRTPO	Henrico		Richmond Henrico Tpk - Widening with added capacity and bike/ped facilities	Hanover County Line	Railroad Crossing	Widen 2L to 4L	2	4	Urban Minor Arterial	2045		x	Yes
328	RRTPO	Hanover		Rural Point Rd - Widening with added capacity (2.6 mi)	US-301	Studley Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2045		x	Yes
329	RRTPO	Ashland		US-1 - Widening with added capacity	Ashcake Rd	Sourthern Town Limits	Widen 4L to 6L	4	6	Urban Minor Arterial	2045		x	Yes
330	RRTPO	Chesterfield		US-1 & West Hundred Rd - Construction of Innovative Intersection: Median u-turns all approaches			Intersection Improvements				2045		x	No
331	RRTPO	Chesterfield		US-360 - Widening with added capacity	E. of Cosby Rd	Magnolia Green Pkwy	Widen 4L to 6L	4	6	Urban Principal Arterial	2045		x	Yes
332	RRTPO	Chesterfield		US-360 & Various - Construction of US-360 Superstreet at Winterpock Road, Spring Run Road, Chital Drive, Deer Run Road, and Harbor Pointe Parkway			Intersection Improvements				2045		x	No
333	RRTPO	Richmond		US-60 - Widen bridge over Belt Blvd and extend deceleration and acceleration lanes over CSX	Division Street	CSX RR	Widen 4L to 6L	4	6	Urban Principal Arterial	2045		x	Yes
334	RRTPO	Chesterfield		VA-150 & US-1 - Reconfiguration of the interchange to partial cloverleaf			Interchange Improvement			Urban Expressway	2045		x	Yes
335	RRTPO	Chesterfield		VA-288 & US-360 - 1) Construction of Route 288 NB Flyover Ramp (1 lane) widening to 2 lanes at partial Diverging Diamond Interchange (DDI), 2) Reconstruction of SB on-ramp, 3) Realignment and widening of SB off-ramp to 2 lanes before DDI, 4) Roundabouts: Bailey Bridge Connector at Commonwealth Centre Connector (2 lane), Commonwealth Centre Connector at Commonwealth Centre Parkway (1 lane) , 5) Cul-de-sac Commonwealth Centre Parkway			Interchange Improvement			Urban Expressway	2045		x	Yes
336	RRTPO	Richmond		Walmsley Blvd - Construction of a new 2-lane road	US-1	Commerce Road.	New Road	0	2	Urban Minor Arterial	2045		x	Yes
337	RRTPO	Henrico		Woodman Rd - Widening with added capacity and pedestrian accommodations	Mountain Rd	Hungary Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2045		x	Yes
338	RRTPO	Henrico		Greenwood Rd - Widening with added capacity and bike and pedestrian accommodations	Woodman Road	County Line	Widen 2L to 4L	2	4	Urban Major Collector	2045		x	No
339	RRTPO	Henrico		I- 64 & N. Gayton Rd - Construction of a new Interchange at I-64 in Short Pump			New Interchange			Interstate	2045		x	Yes
340	RRTPO	Hanover		Ashland Rd - Widening with added capacity (3.7 mi)	Henrico Co. Line	US-33	Widen 2L to 4L	2	4	Urban Minor Arterial	2045		x	Yes
341	RRTPO	Henrico		I-64 - Construction of an EB & WB auxiliary lane between Exit 178 (US-250) and Exit 180 (Gaskins Rd). Reconstruction of Cox Rd Bridge. Widening of EB US-250 (W Broad Street/Short Pump) to EB I-64 ramp to two lane.	Exit 178	Exit 180	Capacity Increase			Interstate	2045		x	Yes
342	RRTPO	Henrico		I-64 & Gaskins Rd - Improvement of Interchange Configuration. Convert Interchange to Partial-Cloverleaf. Removal of eastbound I-64 off-ramp to northbound Gaskins Road loop ramp and the westbound I-64 off-ramp to southbound Gaskins Road loop ramp. Allow left turn movements from the remaining eastbound and westbound I-64 off-ramps by installing left turn lanes and signalized ramp terminals.			Interchange Improvement			Interstate	2045		x	Yes
343	RRTPO	Chesterfield		I-95 & VA-10 - Construction of a new Partial Cloverleaf Interchange (Exit 61) Reconfigure interchange ramps to accommodate the partial cloverleaf configuration □ Eliminate southbound I-95 to eastbound Route 10 off-ramp □ Eliminate northbound I-95 to westbound Route 10 off-ramp □ Realign westbound Route 10 to northbound I-95 on-ramp			Interchange Improvement			Interstate	2045		x	Yes

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344	RRTPO	Chesterfield		I-95 & Willis Rd - Construction of a new Double Roundabout Interchange (Exit 64)			Interchange Improvement			Interstate	2045		x	Yes
345	RRTPO	Henrico		Carolina Ave - Widening with added capacity and bike/ped facilities	Richmond Henrico Tpk	Laburnum Ave	Widen 2L to 4L	2	4	Urban Major Collector	2045		x	No
346	RRTPO	Richmond/ Henrico		Enhanced Transit Service -RIC Airport - 10.5 miles from CBD to Airport via Williamsburg Rd	CBD	RIC Airport	Public Transportation				2045		x	No
347	RRTPO	Statewide	116651	# I-95 CIP CCTV Program UPC-Funding Source only	Various	Various	Safety					x		No
348	RRTPO	GRTC	GRTC065	Articulated Buses			Public Transportation					x		No
349	RRTPO	GRTC	GRTC067	Consultant Services			Public Transportation					x		No
350	RRTPO	GRTC	GRTC068	BRT Station Modification			Public Transportation					x		No
351	RRTPO	DRPT	CBI0001	Paratransit Vehicle			Public Transportation					x		No
352	RRTPO	DRPT	HHI0001	Paratransit Vehicles			Public Transportation					x		No
353	RRTPO	Statewide	116652	# I-95 CIP Changeable Message Sign Program	Various	Various	Safety					x		No
354	RRTPO	Statewide	116653	# I-95 CIP Safety Service Patrols Program	Various	Various	Safety					x		No
355	RRTPO	Statewide	116654	# I-95 CIP TRIP Towing Program	Various	Various	Safety					x		No
356	RRTPO	Statewide	116655	# I-95 CIP Towing Program	Various	Various	Safety					x		No
357	RRTPO	Statewide	116656	# I-95 CIP Variable Speed Limits	Various	Various	Safety					x		No
358	RRTPO	Statewide	116657	# I-95 CIP Ramp Metering Program	Various	Various	Safety					x		No
359	RRTPO	Statewide	116658	# I-95 CIP Geofenced Emergency Notice	Various	Various	Safety					x		No
360	RRTPO	Statewide	116659	# I-95 Advanced Work Zone Tech Program	Various	Various	Safety					x		No
361	RRTPO	Statewide	116660	# I-95 Regional Multimodal Mobility Program	Various	Various	Safety					x		No
362	RRTPO	Statewide	116661	# I-95 Corridor Technology Improvement Program	Various	Various	Safety					x		No
363	RRTPO	Richmond	115410	#SMART20 - RIVERFRONT/ORLEANS BRT STATION PED SAFETY/STREETS	VARIOUS	VARIOUS	Bike/Pedestrian				2027		x	No
364	RRTPO	Henrico	115411	#SMART20 - N LABURNUM AVE PED AND TRANSIT IMPROVEMENTS	Harvie	Creighton Rd	Bike/Pedestrian				2027		x	No
365	RRTPO	Chesterfield	115415	#SMART20 - RT 1 (FALLING CK. WAYSIDE - FOOD LION) BIKE/PED	Falling Ck. Wayside	Food Lion	Bike/Pedestrian				2027		x	No
366	RRTPO	Richmond	115416	#SMART20 SHOCKOE BOTTOM BRT STATION PED SAFETY/STREETSCAPE	VARIOUS	VARIOUS	Bike/Pedestrian				2027		x	No
367	RRTPO	Henrico	115417	#SMART20 - W BROAD ST PEDESTRIAN AND TRANSIT IMPROVEMENTS	Pemberton Road	Parham Road	Bike/Pedestrian				2027		x	No
368	RRTPO	Richmond	115555	#SMART20 - SCOTT'S ADD BRT STATION PED SAFETY/STREETSCAPE	VARIOUS	VARIOUS	Bike/Pedestrian				2027		x	No
369	RRTPO	Henrico	118065	LAKESIDE COMMUNITY TRAIL PHASE 1	Spring Park Street	Gillespie Avenue	Bike/Pedestrian				2027		x	No
370	RRTPO	Henrico	118091	LAKESIDE COMMUNITY TRAIL PHASE 2	Dumbarton Road	Lakeside Recreation Area	Bike/Pedestrian				2027		x	No
371	RRTPO	Henrico	118153	BROOK ROAD & HILLIARD ROAD TRAIL	Belmont Recreation Center	Lakeside Avenue and Brook Road Intersection	Bike/Pedestrian				2027		x	No
372	RRTPO	Ashland	119072	#SMART22 - ASHCAKE ROAD PEDESTRIAN IMPROVEMENTS	Rt. 1 (Washington Highway)	Maple Street	Bike/Pedestrian				2027		x	No
373	RRTPO	Henrico	118937	#SMART22 - WILLIAMSBURG RD PEDESTRIAN & TRANSIT IMPROVEMENTS	Charles City Rd	Laburnum Ave	Bike/Pedestrian				2027		x	No
374	RRTPO	Henrico	118940	#SMART22 - NINE MILE RD MULTIMODAL MOBILITY & SAFETY IMPROVE			Bike/Pedestrian				2027		x	No
375	RRTPO	Richmond	118943	#SMART22 - JAMES RIVER BRANCH - RAIL TO TRAIL GREENWAY	Hopkins Road	W 49th Street	Bike/Pedestrian				2027		x	No
376	RRTPO	Chesterfield	107083	RTE 621 (WINTERPOCK, 360-ROYAL BIRKDALE) - MAJOR WIDENING	1.435 MI S INT RTE 360 (HULL STREET ROAD)	RTE 360 (HULL STREET ROAD)	Capacity Increase			Urban Minor Arterial	2027		x	Yes
377	RRTPO	Ashland	112042	ROUTE 1 IMPROVEMENTS: ASHCAKE RD TO ARBOR OAK DR	0.056 MI N OF ASHCAKE RD	0.010 MI S OF ARBOR OAK DR	Safety				2027		x	No
378	RRTPO	Henrico	117049	S. LABURNUM/ROUTE 5 INTERSECTION IMPROVEMENTS	05 MI N of Rte 5 (New Market Rd)	Rte 5 (New Market Rd)	Intersection Improvements				2027		x	No
379	RRTPO	Richmond	119192	#SMART22 - POWHITE NB AT CHIPPENHAM CAPACITY AND SAFETY IMPR			Safety				2027		x	No
380	RRTPO	Hanover	118947	#SMART22 - SLIDING HILL ROAD/PEAKS ROAD ROUNDABOUT	Ashcake Road	Peaks Road	Intersection Improvements				2027		x	No

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381	RRTPO	Richmond	104281	DEEPWATER TERMINAL RD - EXTEND EXISTING ROADWAY	END EXISTING DEEPWATER TERMINAL	GOODES ST	New Road	0	2	Future Urban Minor Arterial	2027		x	Yes
382	RRTPO	Chesterfield	107088	RTE 636 - NASH ROAD EXTENSION	0.08 MI S of Beach Rd. (Rte. 655)	0.009 MI N. of Iron Bridge Rd. (Rte. 10)	New Road	0	2	Future Major Collector	2027		x	No
383	RRTPO	Chesterfield	112974	RTE 668 (WOOLRIDGE ROAD, RT 288-OLD HUNDRED ROAD) EXTENSION	0.299 MII South of Rte 652	0.435 MI North of Rte 288	New Road	0	4	Future Urban Minor Arterial	2027		x	Yes
384	RRTPO	Richmond	118942	#SMART22 - ARTICULATED VEHICLES FOR BUS RAPID TRANSIT EXPANS			Other				2027		x	No
385	RRTPO	Henrico	104148	SADLER RD - RECONSTRUCTION	0.005 MI WEST OF DOMINION BLVD	0.030 MI EAST OF CEDAR FOREST ROAD	Reconstruction/Maintenance				2027		x	No
386	RRTPO	Richmond	118944	#SMART22 - ROUTE 1 PHASE II IMPROVEMENTS	Route 360 / Hull Street Road	Maury Street	Reconstruction/Maintenance				2027		x	No
387	RRTPO	Richmond	108649	RTE 5 (MAIN STREET) - NEW ROAD	HENRICO COUNTY LINE	0.75 MI N HENRICO COUNTY LINE	New Road	0	2	Future Urban Minor Arterial	2027		x	Yes
388	RRTPO	Chesterfield	118146	ROUTE 1 (HOLIDAY LANE - WILLIS ROAD) SHARED-USE PATH	0.03 mile north of Willis Road	Holiday Lane	Safety				2027		x	No
389	RRTPO	Henrico	118470	W BROAD ST PEDESTRIAN AND TRANSIT IMPROVEMENTS - GLENSIDE DR	Glenside Drive	Parham Road	Safety				2027		x	No
390	RRTPO	Henrico	101034	#HB2.FY17 RTE 6 PATTERSON AVE AT PARHAM RD INTERSECTION	0.27 MI W RTE 7518 (PARHAM RD)	0.28 MI E RTE 7518 (PARHAM RD)	Safety				2027		x	No
391	RRTPO	Multi-jurisdictional	101492	RICHMOND REGION-WIDE TRAFFIC/OPERATIONS IMPROVEMENTS			Safety				2027		x	No
392	RRTPO	Richmond	109310	#HB2.FY17 SHOCKOE VALLEY ST IMPROVEMENT	VARIOUS	VARIOUS	Safety				2027		x	No
393	RRTPO	Richmond	109321	#HB2.FY17 RTE 95 - IMPROVE INTERCHANGE AT MAURY ST	0.058 MI. W OF MAURY ST	0.061 MI. E OF MAURY ST	Safety				2027		x	No
394	RRTPO	Chesterfield	109322	#HB2.FY17 RTE 95 - IMPROVE INTERCHANGE AT RTE 10	0.09 mi. S of Rt. 10	0.59 mi. N of Rt. 10	Safety				2027		x	No
395	RRTPO	Henrico	110910	#SMART18 - PARHAM RD PEDESTRIAN & TRANSIT STOP IMPROVEMENTS	6 mi E. of Broad Steet on Parham Road	HUNGARY SPRING ROAD	Safety				2027		x	No
396	RRTPO	Richmond	111465	#SMART18 - I-95/I-64 OVERLAP: EMERGENCY PULL-OFFS	MAURY STREET	I-64 W	Safety				2027		x	No
397	RRTPO	Henrico	111637	#SMART18 - BROAD ST PEDESTRIAN & TRANSIT STOP IMPROVEMENTS	FOREST AVENUE	WILLOW LAWN AVENUE	Safety				2027		x	No
398	RRTPO	Henrico	118597	W BROAD ST INTERSECTION IMPROVEMENTS AT DOMINION AND COX	Old Sadler Road	Lexington Farm Road	Safety				2027		x	No
399	RRTPO	Richmond	118941	#SMART22 - BROAD STREET STREETSCAPE W/ PULSE BRT EXPANSION			Public Transportation				2027		x	No
400	RRTPO	Richmond	109320	#HB2.FY17 SB I95 BELVIDERE ST INTERCHANGE SAFETY IMPROVEMENT	0.079 MILES WEST OF RTE. 1	0.202 MILES EAST OF RTE. 1	Safety				2027		x	No
401	RRTPO	Chesterfield	T25567	#SMART22 - POWHITE SBCHIPPENHAM CAPACITY SAFETY IMPROVEMENTS			Safety				2027		x	No
402	RRTPO	Richmond	T25568	#SMART22 -ASHLAND TO PBURG TRAIL US 1 WALMSLEY TO BELLEMEADE			Bike/Pedestrian				2027		x	No
403	RRTPO	Richmond	T25569	#SMART22 - ASHLAND PBURG TRAIL CHICKAHOMINY RIVER CROSSING			Bike/Pedestrian				2027		x	No
404	RRTPO	Richmond	T25570	#SMART22 - A-TO-P TRAIL: RT.1 (FALLING CRK AVE. - FOOD LION)			Bike/Pedestrian				2027		x	No
405	RRTPO	Henrico		Magellan Pkwy Extension Phase 1 (Retreat @ One)	Park Central Dr	Green City	New Road	0	2	Future Urban Minor Arterial	2027		x	Yes
406	RRTPO	Henrico		Magellan Pkwy Extension Phase 3 (East of I-95)	I-95	US-1	New Road	0	2	Future Urban Minor Arterial	2027		x	Yes
407	RRTPO	Chesterfield		Otterdale Rd - Widening with added capacity	US-360	Woolridge Rd	Widen 2L to 4L	2	4	Urban Major Collector	2027		x	No
408	RRTPO	Chesterfield		Bridge - Replacement/Rehabilitation - Jeff Davis Hwy @ Ashton Creek			Bridge				2039		x	No
409	RRTPO	Henrico		Bridge - Replacement/Rehabilitation - Wbl I-64 @ Airport Drive (VA-156)			Bridge				2039		x	No

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410	RRTPO	Henrico		Bridge - Replacement/Rehabilitation - I-195 @ VA- 197 & CSX			Bridge				2039		x	No
411	RRTPO	Henrico		Bridge - Replacement/Rehabilitation - Parham Road @ CSX Railway			Bridge				2039		x	No
412	RRTPO	Henrico		Bridge - Replacement/Rehabilitation - Ebl I-64 @ Airport Drive (VA-156)			Bridge				2039		x	No
413	RRTPO	New Kent		Bridge - Replacement/Rehabilitation - Ebl Pocahontas Tr @ Toe Ink Swamp			Bridge				2039		x	No
414	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - Broad Street @ I-95			Bridge				2039		x	No
415	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - Cary Street @ I-195 & CSX Railroad			Bridge				2039		x	No
416	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - 14th Street @ James River South Div			Bridge				2039		x	No
417	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - Broad Street @ CSX Abandoned Spur Line			Bridge				2039		x	No
418	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - 14th Street @ James River North Div			Bridge				2039		x	No
419	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - Wbl I-64 @ I- 95			Bridge				2039		x	No
420	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - Sbl I-195 @ VA- 76, CSX Rr & Ramp S			Bridge				2039		x	No
421	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - Ramp To 5th & I-95S @ I-95			Bridge				2039		x	No
422	RRTPO	Richmond		Bridge - Replacement/Rehabilitation - North Boulevard @ CSX Railway			Bridge				2039		x	No
423	RRTPO	Richmond		Bridge Replacement with Shared Used Path - Westover Hills Blvd (RMTA) @ James River			Bridge				2039		x	No